


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Ute Tribal 28-06G								
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ANTELOPE CREEK								
4. TYPE OF WELL Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME ANTELOPE CREEK								
6. NAME OF OPERATOR PETROGLYPH OPERATING CO						7. OPERATOR PHONE 208 685-7674								
8. ADDRESS OF OPERATOR 960 Broadway Ave, Ste 500, Bosie, ID, 83703						9. OPERATOR E-MAIL bwest@pgei.com								
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-H62-3517			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>								
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')								
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')								
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>								
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN		
LOCATION AT SURFACE		1911 FNL 1803 FWL		SE NW		28		5.0 S		3.0 W		U		
Top of Uppermost Producing Zone		2500 FNL 2450 FWL		SE NW		28		5.0 S		3.0 W		U		
At Total Depth		2500 FNL 2450 FWL		SE NW		28		5.0 S		3.0 W		U		
21. COUNTY DUCHESE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 803			23. NUMBER OF ACRES IN DRILLING UNIT 409								
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Approved For Drilling or Completed) 984			26. PROPOSED DEPTH MD: 5940 TVD: 5807								
27. ELEVATION - GROUND LEVEL 6489			28. BOND NUMBER LP4138153			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8342								
Hole, Casing, and Cement Information														
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight				
Cond	20	14	0 - 55	5.0	Unknown	10.0	Class G	25	1.17	15.8				
Surf	12.25	8.625	0 - 495	24.0	J-55 ST&C	10.0	Class G	227	1.17	15.8				
Prod	7.875	5.5	0 - 5940	15.5	J-55 LT&C	10.0	Class G	484	1.92	12.5				
							Class G	280	1.46	13.4				
ATTACHMENTS														
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES														
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN								
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER								
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP								
NAME Ed Trotter				TITLE Agent				PHONE 435 789-4120						
SIGNATURE				DATE 07/02/2012				EMAIL edtrotter@easilink.com						
API NUMBER ASSIGNED 43013515290000				APPROVAL  Permit Manager										

RECEIVED: July 03, 2012

CONFIDENTIAL
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 28-06G
SE NW, SEC 28, T5S, R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation		Subsea	TVD	MD
Rig KB=~15' above GGL		6504	0	0
Surface Formation = Uinta				
Uinta		6489	15	15
Green River		5052	1452	1457
Trona		3731	2773	2844
Mahogany Shale		3595	2909	2984
"B" Marker	Waterflood Unit Interval	2505	3999	4128
"X" Marker		2032	4472	4605
Douglas Creek Marker		1889	4615	4748
"B" Limestone		1518	3999	5119
Base Castle Peak Limestone		964	5540	5673
BSCARB		505	0	0
Wasatch		254	NDE	NDE
Rig TD		697	5807	5940

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Substance	Formation	Subsea	TVD	MD
Base of moderately saline ground water*	Uinta	5100	1404	1404
Oil/Gas	Douglas Creek	1889	4615	4748
Oil/Gas	Castle Peak	964	5540	5673
Oil/Gas	Wasatch	254	NDE	NDE

Any water encountered during drilling shall be sampled, analyzed and reported to the BLM Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"*, along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah



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3. PROPOSED CASING PROGRAM:

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	54.5'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	494.5'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	5940'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	214,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 4128' MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top Bottom	Cement Description	Sacks Vol (ft ³)	Excess	Weight (ppg)	Yield (ft ³ /sk)
Conductor	0 54.5	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 494.5	Class G +2% CaCl ₂ +0.25 lb/sk Cello Flake	227 265	30%	15.8	1.17
Production Lead	0 4128	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	484 930	30%	12.5	1.92
Production Tail	4128 5940	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	280 408	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, a remedial surface cementing operation shall be performed only if necessary to lift cement above the Surface Casing Shoe at 480' MD.

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5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- A 2000 PSI Working Pressure Annular shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

BOPE TESTING PROCEDURE:

- The BOPE shall be tested by a professional tester to conform to Onshore Order #2.

6. MUD PROGRAM:

A. SURFACE HOLE

- The surface hole will be drilled with an air/mist system from 0' to 494.5'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
 - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
 - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
 - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
 - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.

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B. PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 494.5' to 5940'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.
- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.
- A mud-gas separator shall be available on location. Operator does not plan on using a gas detector on the mud return due to the fact that any abnormal pressure is the result of offset water injection.

C. HAZARDOUS MATERIALS AND POLLUTANTS

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior BLM approval to ensure adequate protection of freshwater aquifers.
- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.



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7. EVALUATION PROGRAM:

Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

8. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

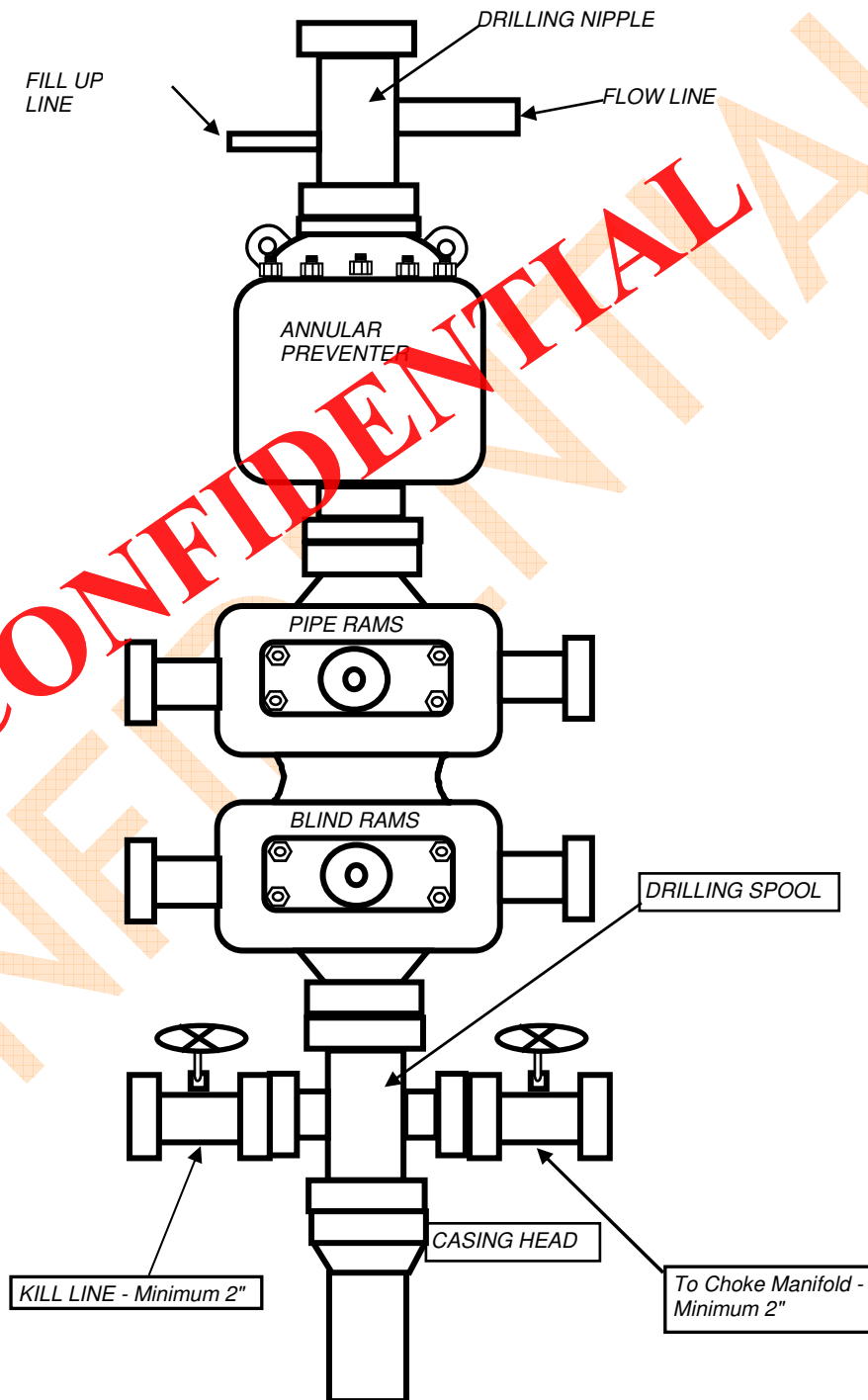
- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H₂S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1485 PSI (0.25 PSI/ft gradient).
- This well is in the vicinity of active injection wells. Nearby active injection can cause pressures up to a 0.435 PSI/ft gradient (2572 PSI).

9. DIRECTIONAL WELL PLAN:

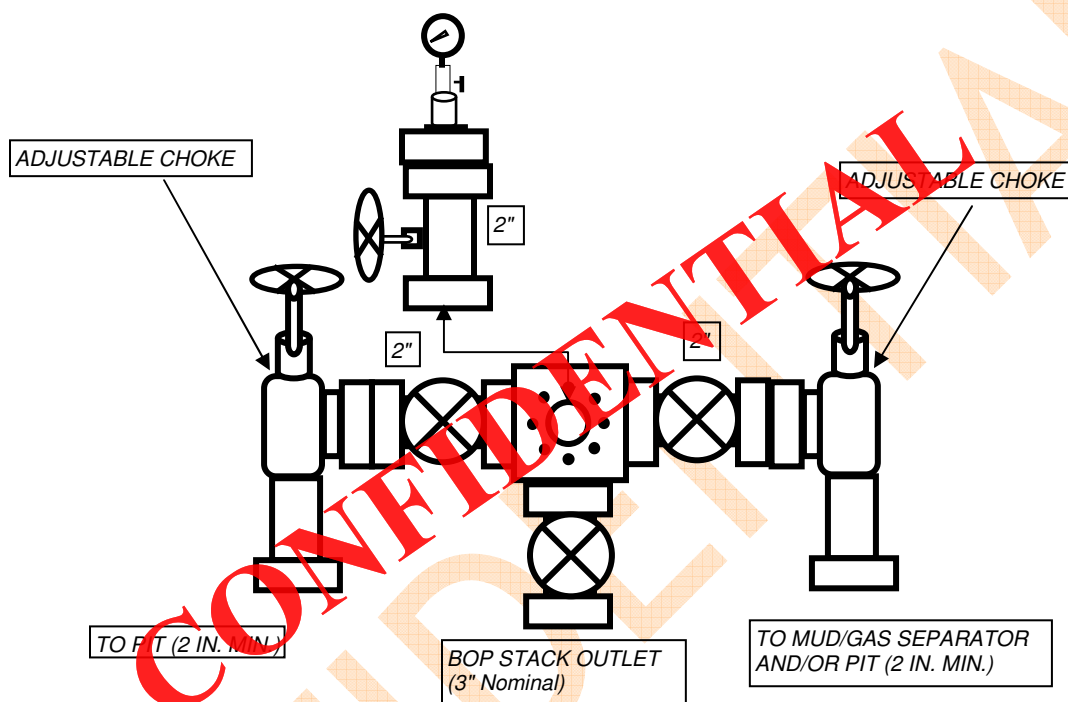
- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- While cutting the Waterflood Unit Interval from 4128' to 0', the actual well path may be allowed to vary up to 100' horizontally from plan in order to prevent excessive slide drilling. Above and below the Waterflood Unit Interval, variances in excess 100' horizontally from plan may be allowed.
- Directional drilling plan is attached.

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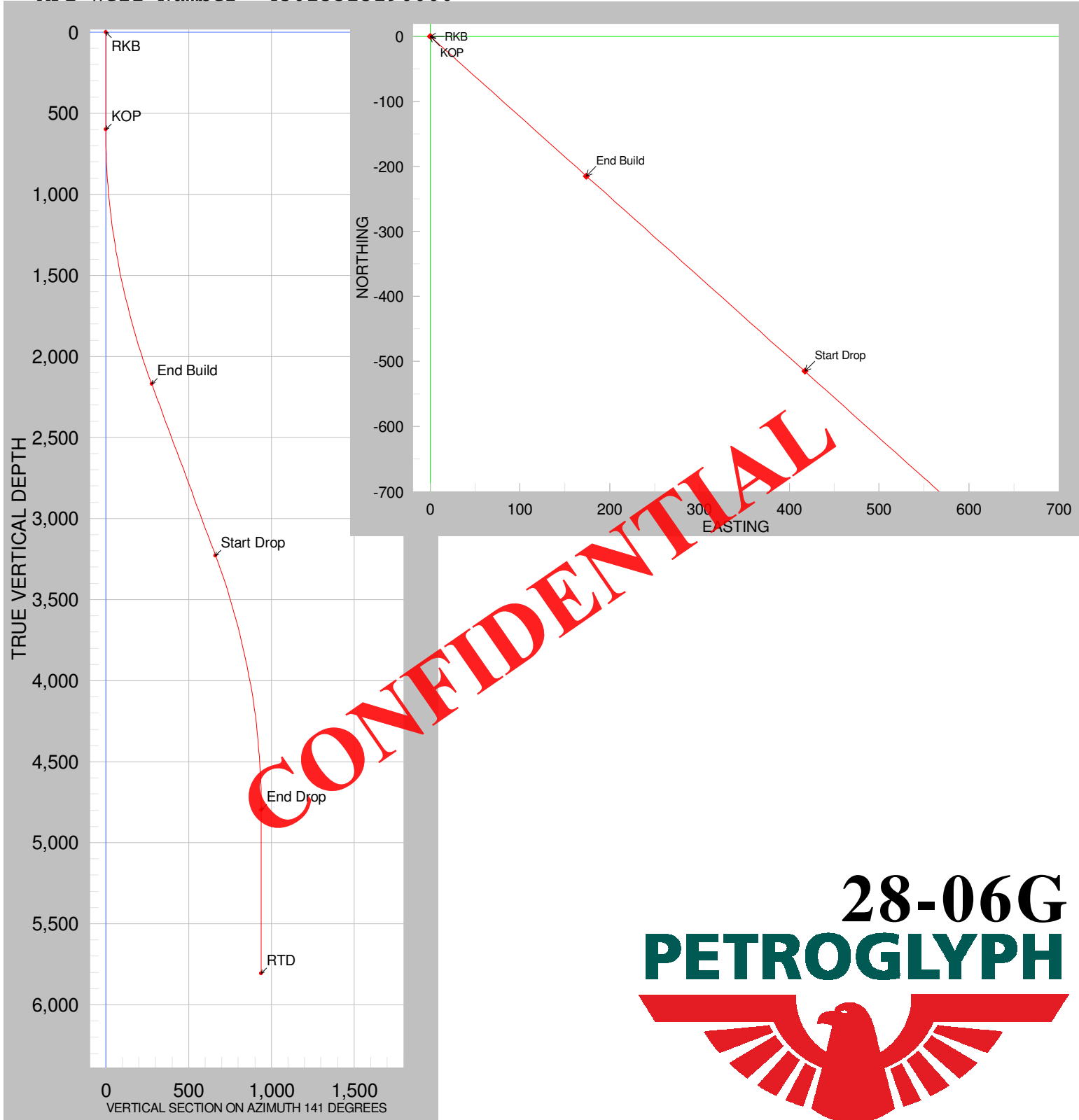
TYPICAL 2,000 p.s.i. BLOWOUT PREVENTER



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TYPICAL 2,000 p.s.i. CHOKE MANIFOLD



API Well Number: 43013515290000



#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	2200.00	20.00	141.00	2167.70	-214.83	173.96	1.25	276.43
3	Start Drop	Tangent	3330.00	20.00	141.00	3229.56	-515.18	417.18	0.00	662.91
4	End Drop	Drop	4930.00	0.00	0.00	4797.26	-730.00	591.15	1.25	939.34
5	RTD	Vertical	5940.00	0.00	0.00	5807.26	-730.00	591.15	0.00	939.34

RECEIVED: July 02, 2012

28-06G, Plan 1

28-06G, Plan 1										
Operator		Units		14:35 Wednesday, April 18, 2012 Page 1 of 4						
Field		County		Vertical Section Azimuth 141						
Well Name 28-06G		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location				MapZone		Lat Long Ref				
Site				SurfaceX		Surface Long				
Slot Name		UWI		SurfaceY		Surface Lat				
Well Number		API		Z Datum						
Project				Surface Z		Ground Level				
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	141.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	141.0	650.00	-0.21	0.17	1.25	0.27			
700.00	1.25	141.0	699.99	-0.85	0.69	1.25	1.09			
750.00	1.88	141.0	749.97	-1.91	1.54	1.25	2.45			
800.00	2.50	141.0	799.94	-3.39	2.75	1.25	4.36			
850.00	3.13	141.0	849.88	-5.30	4.29	1.25	6.82			
900.00	3.75	141.0	899.79	-7.63	6.18	1.25	9.81			
950.00	4.38	141.0	949.66	-10.38	8.41	1.25	13.36			
1000.00	5.00	141.0	999.49	-13.56	10.98	1.25	17.44			
1050.00	5.63	141.0	1049.28	-17.15	13.89	1.25	22.07			
1100.00	6.25	141.0	1099.01	-21.17	17.15	1.25	27.24			
1150.00	6.88	141.0	1148.68	-25.61	20.74	1.25	32.96			
1200.00	7.50	141.0	1198.29	-30.47	24.68	1.25	39.21			
1250.00	8.13	141.0	1247.82	-35.76	28.96	1.25	46.01			
1300.00	8.75	141.0	1297.28	-41.46	33.57	1.25	53.35			
1350.00	9.38	141.0	1346.66	-47.58	38.53	1.25	61.22			
1400.00	10.00	141.0	1395.94	-54.12	43.82	1.25	69.64			
1450.00	10.63	141.0	1445.14	-61.07	49.46	1.25	78.59			
1500.00	11.25	141.0	1494.23	-68.45	55.43	1.25	88.07			
1550.00	11.88	141.0	1543.21	-76.23	61.73	1.25	98.10			
1600.00	12.50	141.0	1592.09	-84.44	68.38	1.25	108.65			
1650.00	13.13	141.0	1640.84	-93.05	75.35	1.25	119.74			

28-06G, Plan 1

28-06G, Plan 1										
Operator Field Well Name 28-06G Plan 1		Units feet, %/100ft County State Country		14:35 Wednesday, April 18, 2012 Page 2 of 4 Vertical Section Azimuth 141 Survey Calculation Method Minimum Curvature Database Access						
Location Site Slot Name Well Number Project		UWI API		MapZone SurfaceX SurfaceY Z Datum Surface Z		Lat Long Ref Surface Long Surface Lat Ground Level				
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1700.00	13.75	141.0	1689.47	-102.08	82.67	1.25	131.36			
1750.00	14.38	141.0	1737.97	-111.53	90.31	1.25	143.51			
1800.00	15.00	141.0	1786.34	-121.38	98.29	1.25	156.18			
1850.00	15.63	141.0	1834.56	-131.64	106.60	1.25	169.39			
1900.00	16.25	141.0	1882.64	-142.31	115.24	1.25	183.12			
1950.00	16.88	141.0	1930.57	-153.39	124.21	1.25	197.37			
2000.00	17.50	141.0	1978.33	-164.87	133.51	1.25	212.15			
2050.00	18.13	141.0	2025.94	-176.75	143.11	1.25	227.44			
2100.00	18.75	141.0	2073.37	-189.04	153.08	1.25	243.25			
2150.00	19.38	141.0	2120.63	-201.73	163.36	1.25	259.58			
*** END BUILD (at MD = 2200.00)										
2200.00	20.00	141.0	2167.70	-214.83	173.96	1.25	276.43			
2250.00	20.00	141.0	2214.61	-228.12	184.72	0.00	293.53			
2300.00	20.00	141.0	2261.67	-241.41	195.49	0.00	310.63			
2350.00	20.00	141.0	2308.66	-254.70	206.25	0.00	327.73			
2400.00	20.00	141.0	2355.64	-267.99	217.01	0.00	344.83			
2450.00	20.00	141.0	2402.63	-281.28	227.77	0.00	361.93			
2500.00	20.00	141.0	2449.61	-294.57	238.53	0.00	379.03			
2550.00	20.00	141.0	2496.60	-307.86	249.30	0.00	396.14			
2600.00	20.00	141.0	2543.58	-321.15	260.06	0.00	413.24			
2650.00	20.00	141.0	2590.57	-334.44	270.82	0.00	430.34			
2700.00	20.00	141.0	2637.55	-347.73	281.58	0.00	447.44			
2750.00	20.00	141.0	2684.54	-361.02	292.34	0.00	464.54			
2800.00	20.00	141.0	2731.52	-374.31	303.11	0.00	481.64			
2850.00	20.00	141.0	2778.51	-387.60	313.87	0.00	498.74			
2900.00	20.00	141.0	2825.49	-400.89	324.63	0.00	515.84			
2950.00	20.00	141.0	2872.47	-414.18	335.39	0.00	532.94			
3000.00	20.00	141.0	2919.46	-427.47	346.15	0.00	550.04			
3050.00	20.00	141.0	2966.44	-440.76	356.92	0.00	567.15			
3100.00	20.00	141.0	3013.43	-454.05	367.68	0.00	584.25			
3150.00	20.00	141.0	3060.41	-467.34	378.44	0.00	601.35			
3200.00	20.00	141.0	3107.40	-480.63	389.20	0.00	618.45			
3250.00	20.00	141.0	3154.38	-493.92	399.96	0.00	635.55			
3300.00	20.00	141.0	3201.37	-507.21	410.73	0.00	652.65			

28-06G, Plan 1

Operator		Units feet, %/100ft	14:35 Wednesday, April 18, 2012 Page 3 of 4
Field		County	Vertical Section Azimuth 141
Well Name 28-06G		State	Survey Calculation Method Minimum Curvature
Plan 1		Country	Database Access

Location		MapZone	Lat Long Ref
Site		SurfaceX	Surface Long
Slot Name	UWI	SurfaceY	Surface Lat
Well Number	API	Z Datum	
Project		Surface Z	Ground Level

DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft

*** START DROP (at MD = 3330.00)

3330.00	20.00	141.0	3229.56	-515.18	417.18	0.00	662.91			
3350.00	19.75	141.0	3248.37	-520.46	421.46	1.25	660.7			
3400.00	19.13	141.0	3295.52	-533.39	431.93	1.25	656.35			
3450.00	18.50	141.0	3342.85	-545.92	442.08	1.25	702.47			
3500.00	17.88	141.0	3390.35	-558.05	451.90	1.25	718.08			
3550.00	17.25	141.0	3438.02	-569.78	461.40	1.25	733.17			
3600.00	16.63	141.0	3485.85	-581.10	470.56	1.25	747.73			
3650.00	16.00	141.0	3533.83	-592.01	479.40	1.25	761.78			
3700.00	15.38	141.0	3581.97	-602.52	487.91	1.25	775.30			
3750.00	14.75	141.0	3630.25	-612.62	496.09	1.25	788.29			
3800.00	14.13	141.0	3678.67	-622.30	503.93	1.25	800.76			
3850.00	13.50	141.0	3727.23	-631.58	511.44	1.25	812.69			
3900.00	12.88	141.0	3775.91	-640.45	518.62	1.25	824.10			
3950.00	12.25	141.0	3824.71	-648.90	525.47	1.25	834.98			
4000.00	11.63	141.0	3873.63	-656.94	531.98	1.25	845.32			
4050.00	11.00	141.0	3922.66	-664.56	538.15	1.25	855.13			
4100.00	10.38	141.0	3971.79	-671.76	543.98	1.25	864.40			
4150.00	9.75	141.0	4021.02	-678.55	549.48	1.25	873.13			
4200.00	9.13	141.0	4070.34	-684.92	554.64	1.25	881.33			
4250.00	8.50	141.0	4119.75	-690.88	559.46	1.25	888.99			
4300.00	7.88	141.0	4169.24	-696.41	563.94	1.25	896.11			
4350.00	7.25	141.0	4218.81	-701.52	568.08	1.25	902.69			
4400.00	6.63	141.0	4268.44	-706.22	571.88	1.25	908.73			
4450.00	6.00	141.0	4318.14	-710.49	575.34	1.25	914.23			
4500.00	5.38	141.0	4367.89	-714.34	578.46	1.25	919.19			
4550.00	4.75	141.0	4417.70	-717.77	581.24	1.25	923.60			
4600.00	4.13	141.0	4467.55	-720.78	583.67	1.25	927.47			
4650.00	3.50	141.0	4517.44	-723.36	585.77	1.25	930.79			
4700.00	2.88	141.0	4567.36	-725.52	587.52	1.25	933.57			
4750.00	2.25	141.0	4617.31	-727.26	588.92	1.25	935.81			
4800.00	1.63	141.0	4667.28	-728.57	589.99	1.25	937.50			
4850.00	1.00	141.0	4717.27	-729.46	590.71	1.25	938.64			
4900.00	0.38	141.0	4767.26	-729.93	591.08	1.25	939.24			

28-06G, Plan 1

28-06G, Plan 1										
Operator		Units		14:35 Wednesday, April 18, 2012 Page 4 of 4						
Field		County		Vertical Section Azimuth 141						
Well Name 28-06G		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location				MapZone		Lat Long Ref				
Site				SurfaceX		Surface Long				
Slot Name		UWI		SurfaceY		Surface Lat				
Well Number		API		Z Datum						
Project				Surface Z		Ground Level				
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** END DROP (at MD = 4930.00)										
4930.00	0.00	0.0	4797.26	-730.00	591.15	1.25	939.34			
4950.00	0.00	0.0	4817.26	-730.00	591.15	0.00	939.34			
5000.00	0.00	0.0	4867.26	-730.00	591.15	0.00	939.34			
5050.00	0.00	0.0	4917.26	-730.00	591.15	0.00	939.34			
5100.00	0.00	0.0	4967.26	-730.00	591.15	0.00	939.34			
5150.00	0.00	0.0	5017.26	-730.00	591.15	0.00	939.34			
5200.00	0.00	0.0	5067.26	-730.00	591.15	0.00	939.34			
5250.00	0.00	0.0	5117.26	-730.00	591.15	0.00	939.34			
5300.00	0.00	0.0	5167.26	-730.00	591.15	0.00	939.34			
5350.00	0.00	0.0	5217.26	-730.00	591.15	0.00	939.34			
5400.00	0.00	0.0	5267.26	-730.00	591.15	0.00	939.34			
5450.00	0.00	0.0	5317.26	-730.00	591.15	0.00	939.34			
5500.00	0.00	0.0	5367.26	-730.00	591.15	0.00	939.34			
5550.00	0.00	0.0	5417.26	-730.00	591.15	0.00	939.34			
5600.00	0.00	0.0	5467.26	-730.00	591.15	0.00	939.34			
5650.00	0.00	0.0	5517.26	-730.00	591.15	0.00	939.34			
5700.00	0.00	0.0	5567.26	-730.00	591.15	0.00	939.34			
5750.00	0.00	0.0	5617.26	-730.00	591.15	0.00	939.34			
5800.00	0.00	0.0	5667.26	-730.00	591.15	0.00	939.34			
5850.00	0.00	0.0	5717.26	-730.00	591.15	0.00	939.34			
5900.00	0.00	0.0	5767.26	-730.00	591.15	0.00	939.34			
*** RTD (at MD = 5940.00)										
5940.00	0.00	0.0	5807.26	-730.00	591.15	0.00	939.34			

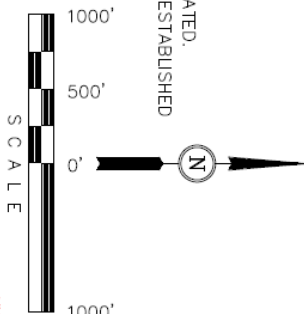
PETROGLYPH OPERATING CO., INC.

BASIS OF ELEVATION

BASIS OF BEARINGS

LEGEND:

- = 90° SYMBOL
- = PROPOSED
- ▲ = WELL HEAD, CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED (Not Set on Ground.)



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH
ON 1-26-17

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE
1" = 1000'

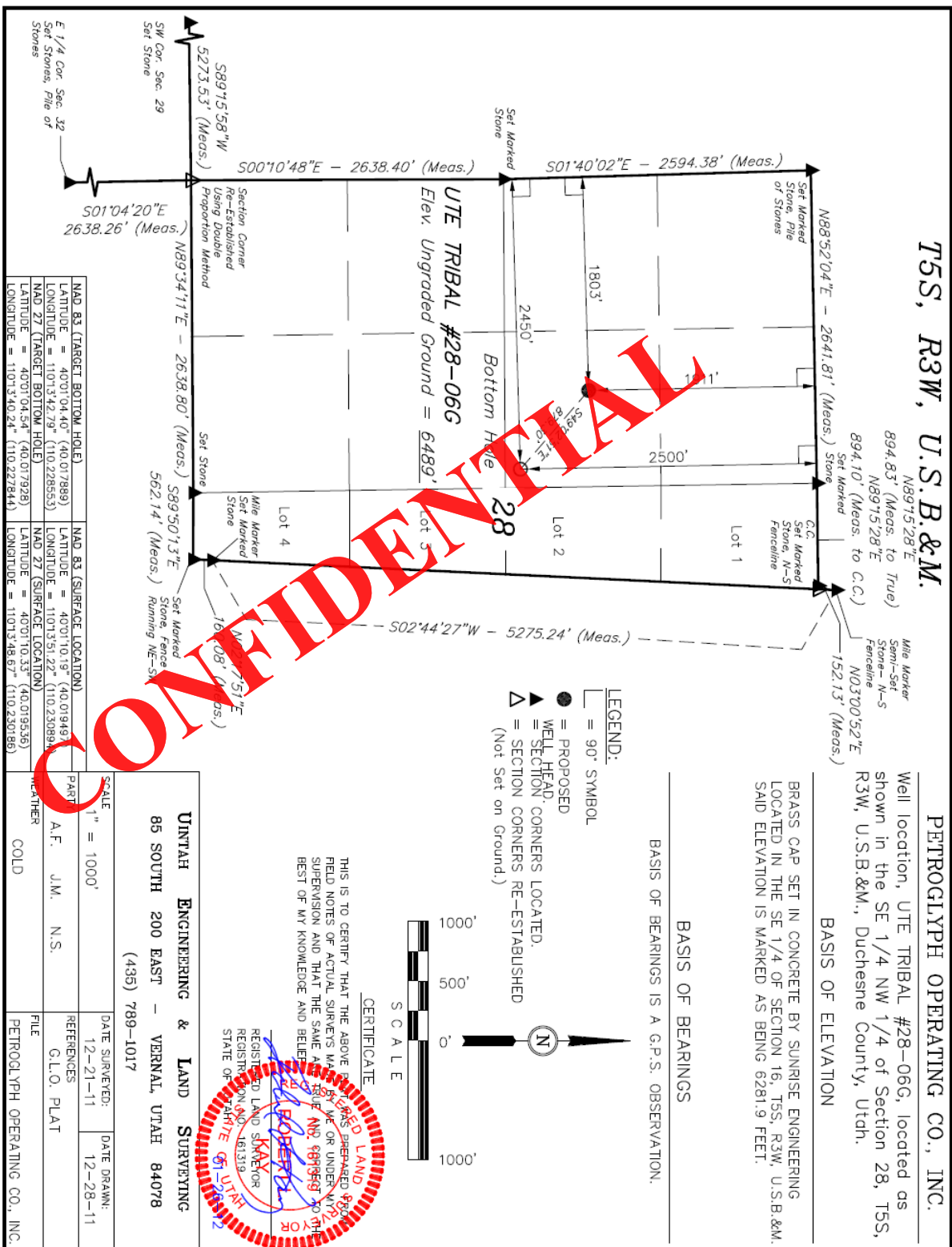
DATE SURVEYED:	DATE DRAWN:
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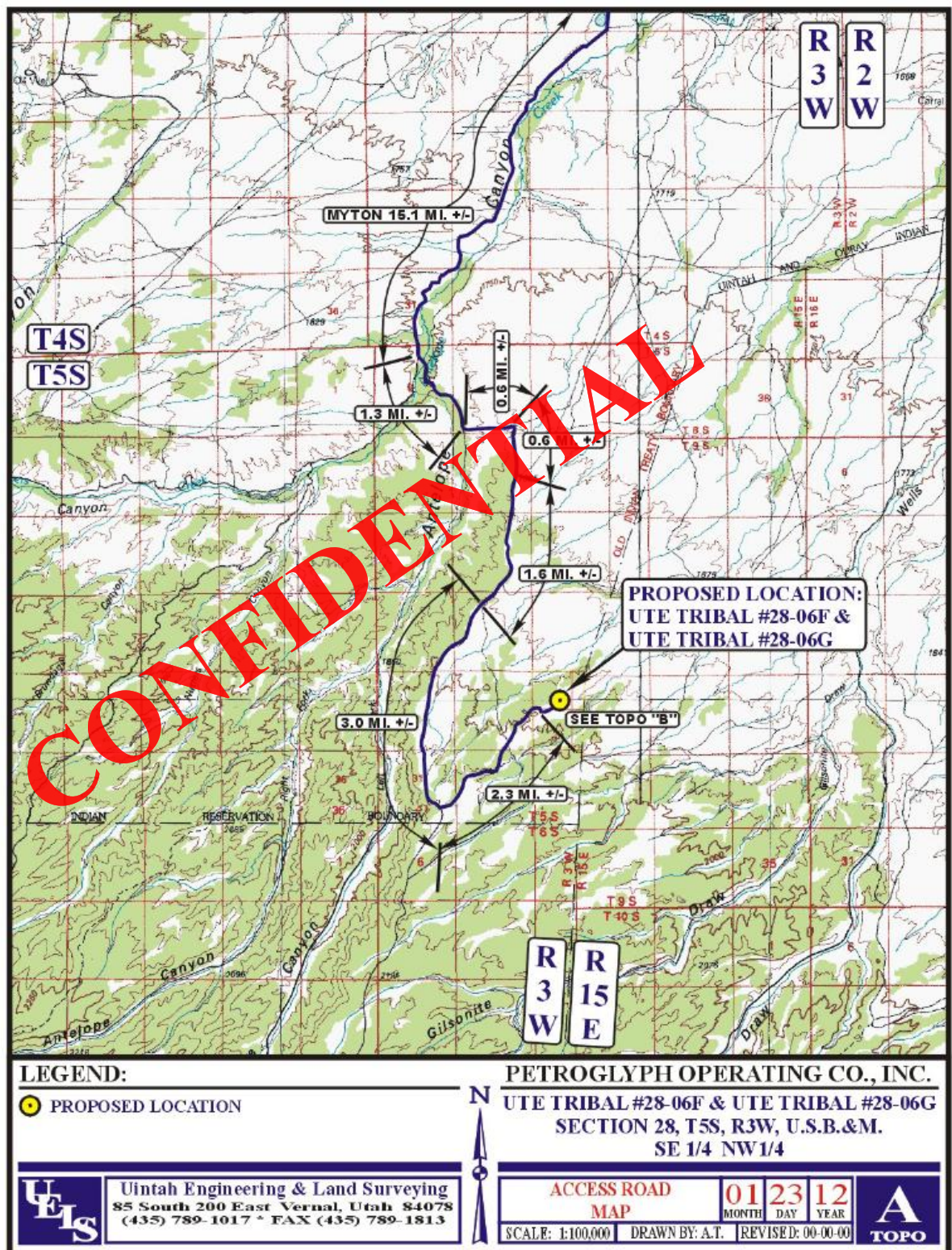
A.F.	J.M.	N.S.
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G.L.O. PLAT

COLD

PETROGLYPH OPERATING CO., INC.





PETROGLYPH OPERATING CO., INC.
P.O. BOX 607
ROOSEVELT, UTAH 84066

July 2, 2012

Ms. Diana Mason
State of Utah
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Directional Drilling R649-3-11

Ute Tribal 28-06G: 1911' FNL & 1803' FWL, (Surface Hole)
2500' FNL & 2450' FWL, (Bottom Hole)
SE/NW, Sec. 28, T5S, R3W, U.S.B. & M.,
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on July 2, 2012, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 28-06G is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Petroglyph Operating Co., Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Ed Trotter,
Agent
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420
E-mail: edtrotter@easilink.com

RECEIVED: July 02, 2012

Certification

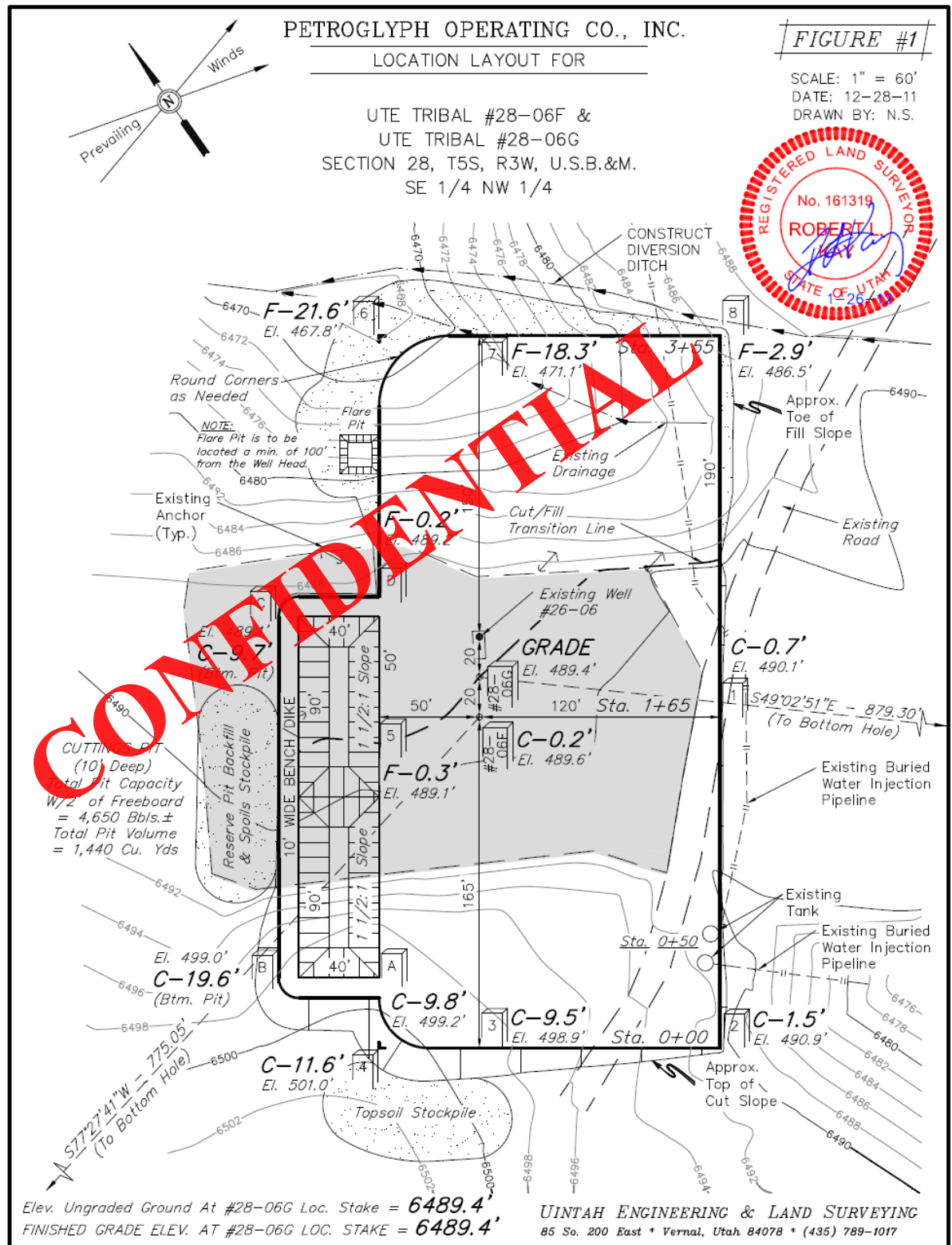
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 28-06G Well, located in the SE/NW of Section 28, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3517**; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LP4138153.

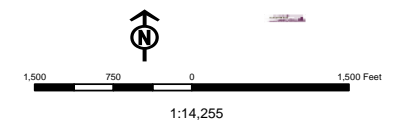
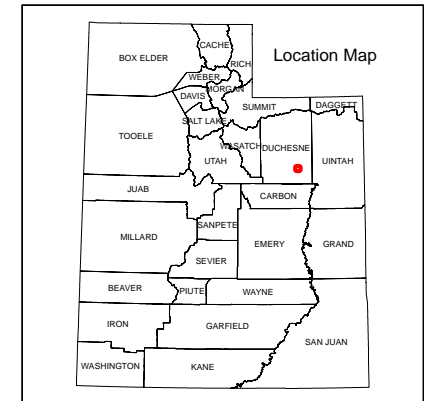
Date

Ed Trotter, as Agent for

CONFIDENTIAL



Map Produced by Diana Mason



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/2/2012

API NO. ASSIGNED: 43013515290000

WELL NAME: Ute Tribal 28-06G

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: SENW 28 050S 030W

Permit Tech Review: ☒

SURFACE: 1911 FNL 1803 FWL

Engineering Review: ☐

BOTTOM: 2500 FNL 2450 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.01953

LONGITUDE: -110.23038

UTM SURF EASTINGS: 565678.00

NORTHINGS: 4429998.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-3517

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: INDIAN - LP4138153
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 43-8342
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: ANTELOPE CREEK
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: Cause 214-2
- Effective Date: 6/9/2000
- Siting: Suspends General Siting
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed
IRR SEC:

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason

RECEIVED: July 03, 2012



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Ute Tribal 28-06G
API Well Number: 43013515290000
Lease Number: 14-20-H62-3517
Surface Owner: INDIAN
Approval Date: 7/3/2012

Issued to:

PETROGLYPH OPERATING CO, 960 Broadway Ave, Ste 500, Bosie, ID 83703

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 214-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil &

Gas website
at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 21 2012

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 1420H623517
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator PETROGLYPH OPERATING CO., INC. Contact: ED H TROTTER Email: edtrotter@easilink.com		7. If Unit or CA Agreement, Name and No. 1420H624650
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066	3b. Phone No. (include area code) Ph: 435-789-4120 Fx: 435-789-1420	8. Lease Name and Well No. UTE TRIBAL 28-06G
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENW 1911FNL 1803FWL At proposed prod. zone SENW 2500FNL 2450FWL		9. API Well No. 43013 51529
14. Distance in miles and direction from nearest town or post office* 24.8 MILES SOUTHWEST OF MYTON, UT		10. Field and Pool, or Exploratory ANTELOPE CREEK
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1803'	16. No. of Acres in Lease 409.40	11. Sec., T., R., M., or Blk. and Survey or Area Sec 28 T5S R3W Mer UBM
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 984'	19. Proposed Depth 5940 MD 5807 TVD	12. County or Parish DUCHESNE
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6489 GL	22. Approximate date work will start 10/15/2012	13. State UT
		17. Spacing Unit dedicated to this well
		20. BLM/BIA Bond No. on file LPM4138335
		23. Estimated duration 45 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) LESTER FARNSWORTH Ph: 435-722-2531	Date 08/21/2012
Title DISTRICT MANAGER		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date MAR 18 2013
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional Operator Remarks (see next page)

Electronic Submission #146833 verified by the BLM Well Information System OF OIL, GAS & MINING
For PETROGLYPH OPERATING CO., INC., sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 08/29/2012 ()

NOTICE OF APPROVAL

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

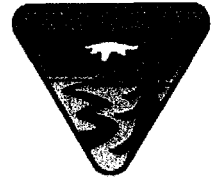


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: PERTROGLYPH OPERATING CO.
Well No: UTE TRIBAL 28-06G
API No: 43-013-51532

Location: NWSE, Sec. 28, T5S, R3W
Lease No: 14-20-H62-3517
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

•
Additional Stipulations:

- 1) All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- 2) The conditions as set forth by those owners and/or agencies.

General Conditions of Approval:

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department and the BLM will be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel will refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department will be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- Gamma Ray Log shall be run from Total Depth to Surface.
- CBL will be run from TD to TOC.
- Cement for the surface casing will be circulated to the surface.
- Cement for long-string shall be circulated 200' above surface casing shoe.
- Variances Granted
- Variance for Air-drilling is granted per APD

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well by CD (compact disc). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 28-06G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1911 FNL 1803 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		9. API NUMBER: 43013515290000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/19/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We spudded the above referenced well on 4/19/2013 at apprx 11:00 A.M. Using a Bucket Rig provided by Craig's Roustabout Service, Vernal Utah, we drilled 40' of 20" hole and we plan to set 40' of 16" Conductor. For additional information please contact our office at (435) 722-2531.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 23, 2013

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 4/22/2013	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECEIVED

FORM 6

APR 22 2013

ENTITY ACTION FORM

Div. of Oil, Gas & Mining

Operator: Petroglyph Operating Company
Address: P.O. Box 607
city Roosevelt
state UT zip 84066

Operator Account Number: N 3800

Phone Number: (435) 722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351529	Ute Tribal 28-06G		SE	28	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	17710	4/19/2013		25-Apr-2013		
Comments: Please add well to existing 28-07 Tank Battery W5 TC							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Rodrigo Jurado

Name (Please Print)

Signature

Regulatory Compliance Spc

Title

4/22/2013

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 28-06G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1901 FNL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		9. API NUMBER: 43013515290000
9. FIELD and POOL or WILDCAT: ANTELOPE CREEK		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: Revised WH Spacing
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/9/2013			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

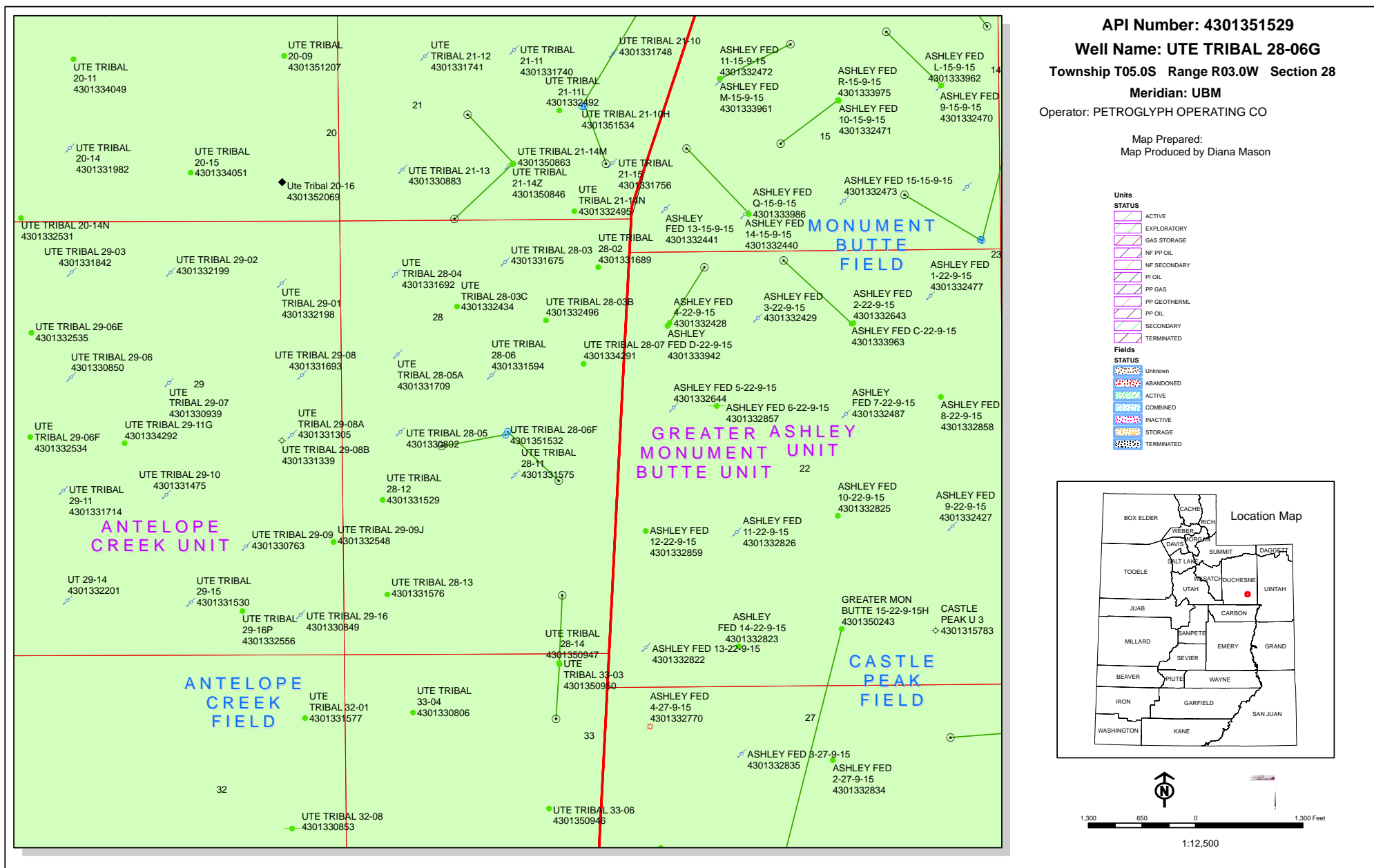
We have revised the well head location of the well referenced above. The revised location will facilitate the footprint of our drill rig and also future workovers due to a more efficient well site layout. The Bottom Hole Location will remain unchanged. Please see the attached plats. The revised well head location is 1901' FNL, 1834' FWL SENW Sec. 28, T5S, R3W Duchesne County Utah.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: May 01, 2013

By:

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 4/22/2013	



PETROGLYPH OPERATING CO., INC.
UTE TRIBAL #28-06F & UTE TRIBAL #28-06G
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 28, T5S, R3W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS

01 **23** **12**
MONTH DAY YEAR

PHOTO

TAKEN BY: A.E.

DRAWN BY: A.L.

REVISED: 00-00-00

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G
SECTION 28, T5S, R3W, U.S.B.&M.
SE 1/4 NW 1/4

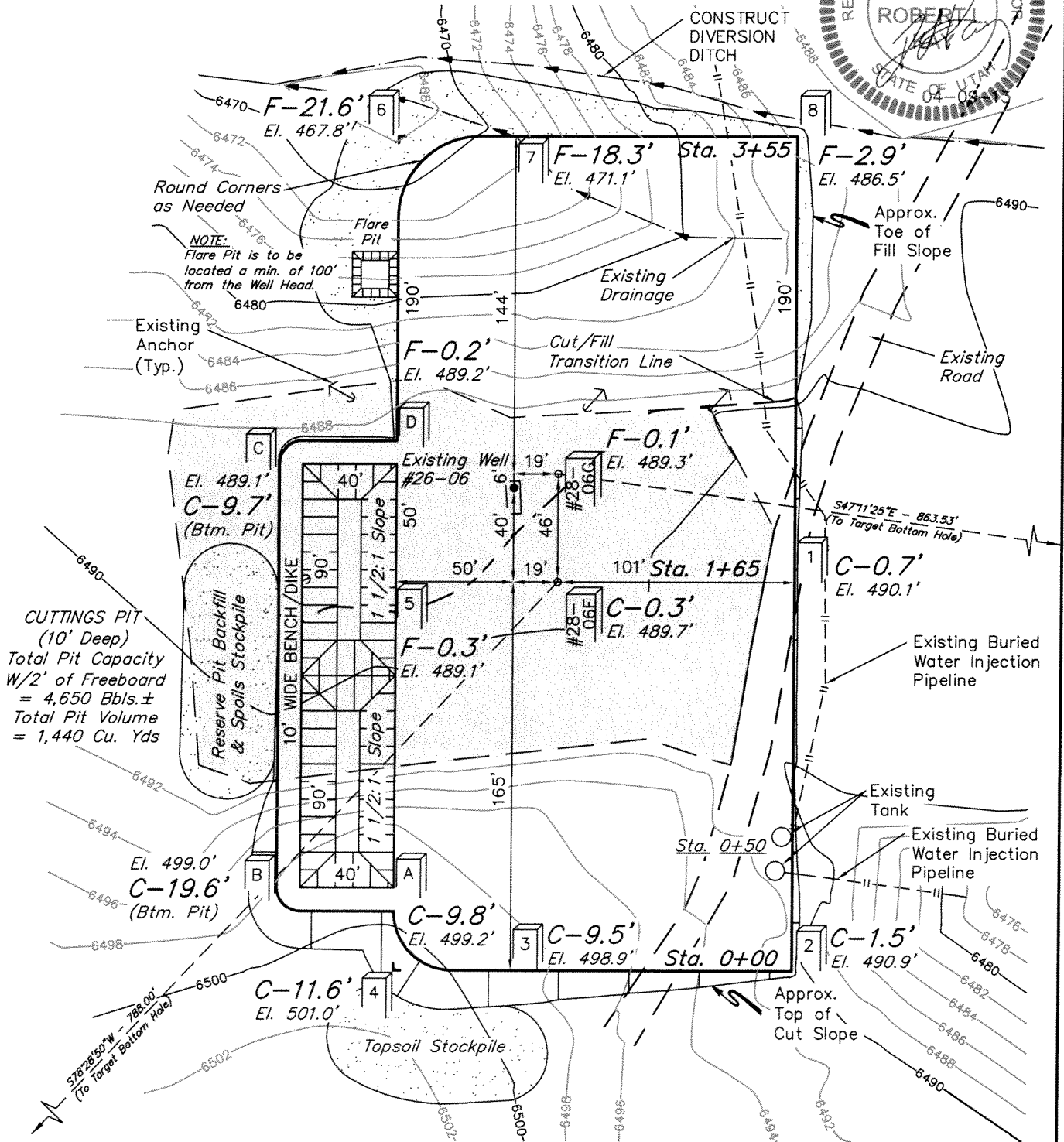
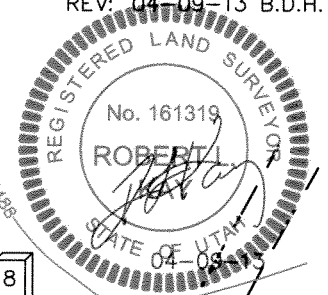
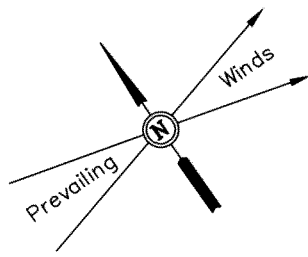
FIGURE #1

SCALE: 1" = 60'

DATE: 12-28-11

DRAWN BY: N.S.

REV: 04-09-13 B.D.H.



Elev. Ungraded Ground At #28-06G Loc. Stake = 6489.3'
FINISHED GRADE ELEV. AT #28-06G LOC. STAKE = 6489.4'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

PETROGLYPH OPERATING CO., INC.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #28-06F &

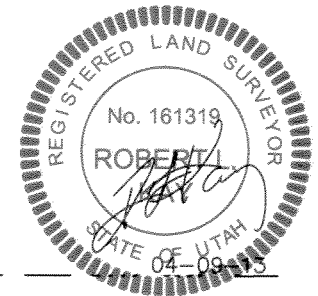
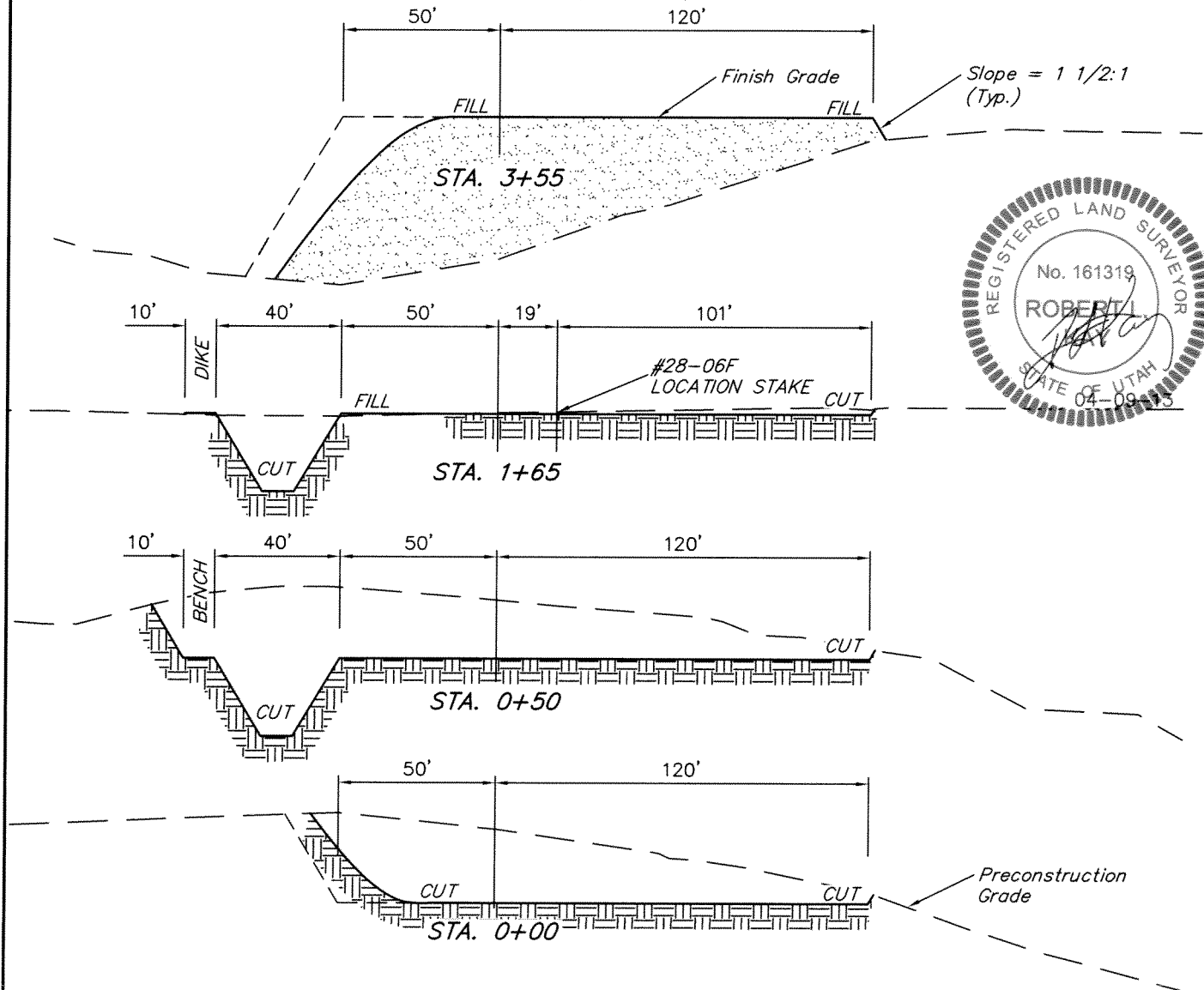
UTE TRIBAL #28-06G

SECTION 28, T5S, R3W, U.S.B.&M.

SE 1/4 NW 1/4

1" = 20'
X-Section
Scale
1" = 50'

DATE: 12-28-11
DRAWN BY: N.S.
REV: 04-09-13 B.D.H.

APPROXIMATE ACREAGESEXISTING DISTURBANCEWITHIN PROPOSED WELL SITE = ± 0.846 ACRESREMAINING PROPOSEDWELL SITE DISTURBANCE = ± 2.601 ACRESPIPELINE DISTURBANCE = ± 1.069 ACRESTOTAL = ± 4.516 ACRES

NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(12") Topsoil Stripping = 750 Cu. Yds.

(New Construction Only)

Remaining Location = 5,130 Cu. Yds.

TOTAL CUT = 5,880 CU.YDS.

FILL = 10,180 CU.YDS.

DEFICIT MATERIAL = 4,300 Cu. Yds.

Topsoil & Pit Backfill = 1,470 Cu. Yds.

(1/2 Pit Vol.)

DEFICIT UNBALANCE = 5,770 Cu. Yds.

(Obtain Deficit Material from Approved Borrow Area)

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

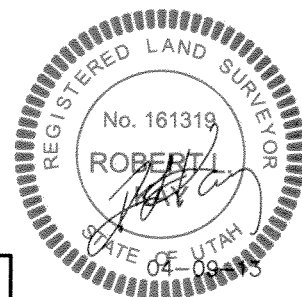
PETROGLYPH OPERATING CO., INC.

TYPICAL RIG LAYOUT FOR

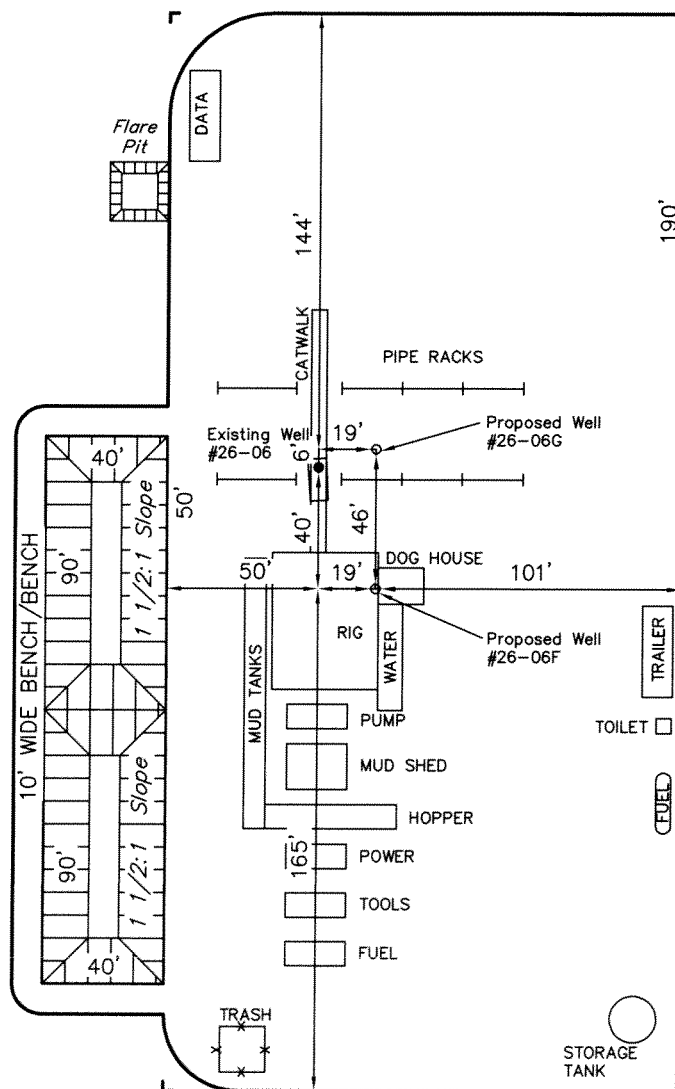
UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G
SECTION 28, T5S, R3W, U.S.B.&M.
SE 1/4 NW 1/4

FIGURE #3

SCALE: 1" = 60'
DATE: 12-28-11
DRAWN BY: N.S.
REV: 04-09-13 B.D.H.



CUTTINGS PIT
(10' Deep)
Total Pit Capacity
W/2' of Freeboard
= 4,650 Bbls.±
Total Pit Volume
= 1,440 Cu. Yds

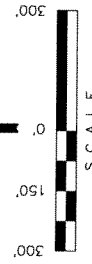


SECT. 28

LOCATION SURFACE USE AREA
& ROAD RIGHT-OF-WAY ON
UTE TRIBAL LANDS

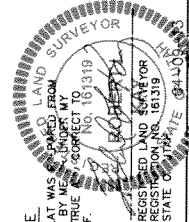
(For UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G)

LOCATED IN
SECTIONS 28, T5S, R3W,
U.S.B.&M., DUCHESNE COUNTY, UTAH



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
THE SURVEY MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME WAS MADE IN ACCORDANCE WITH
THE BEST OF MY KNOWLEDGE AND BELIEF.

REV. 04-09-13 B.D.H.

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE	DATE
1" = 300'	01-09-12
PARTY	REFERENCES
A.F. J.M. N.S.	G.L.O. PLAT
WEATHER	FILE
COLD	51501

N89°15'28"E 894.10' (Meas. to C.C.)
Set Marked Stone, N-S Fencing

Section Line

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION
28, T5S, R3W, U.S.B.&M. WHICH BEARS S48°54'05"E 2441.12'
FROM THE NORTHWEST CORNER OF SAID SECTION 28,
THENCE S55°00'13"E 330.00'; THENCE S34°59'47"W 455.00';
TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A
G.P.S. OBSERVATION. CONTAINS 3.447 ACRES MORE OR
LESS.

ROAD RIGHT-OF-WAY DESCRIPTION

ROAD RIGHT-OF-WAY IS CONTAINED WITHIN THE SURFACE USE
AREA

POINT OF BEGINNING STA. 0+00 BEARS
S48°54'05"E 2441.12' FROM THE NORTHWEST
CORNER OF SECTION 28, T5S, R3W, U.S.B.&M.

1/16 Section Line - NE 1/4

NW 1/4

POINT OF BEGINNING

Ute Tribal

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S55°00'13"E	330.00'
L2	S34°59'47"W	455.00'
L3	N55°00'13"W	330.00'
L4	N34°59'47"E	455.00'

SURFACE USE AREA
UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G
Contains 3.447 Acres

1/4 Section Line

Sec. 28

LOT 3

SE 1/4

N88°52'04"E - 2641.81' (Meas.)

1/16 Section Line

▲ = SECTION CORNERS LOCATED.
△ = SECTION CORNERS RE-ESTABLISHED.
(Not Set on Ground)

Set Marked Stone, File of Stones

Section Line

S01°40'02"E - 2594.38' (Meas.)

Set Marked Stone

S00°10'48"E
2638.40' (Meas.)

SW Cor. Sec. 28
Section Corner
Established
Using Double
Proportion Method

SW 1/4

*PETROGLYPH OPERATING CO., INC.
UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G
ROAD RIGHT-OF-WAY & SURFACE USE AREA
SECTION 28, T5S, R3W, U.S.B.&M.*

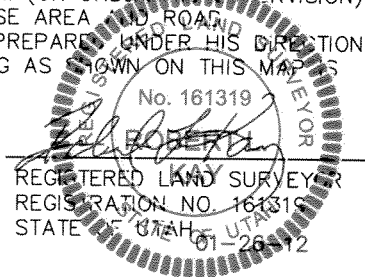
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

ROAD RIGHT-OF-WAY IS CONTAINED WITHIN THE SURFACE USE AREA

ENGINEER'S AFFIDAVIT

STATE OF UTAH }
COUNTY OF UTAH } SS

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE SURFACE USE AREA AND ROAD RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, BEGINNING AND ENDING AS SHOWN ON THIS MAP, IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS ____ DAY OF _____ 2012.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

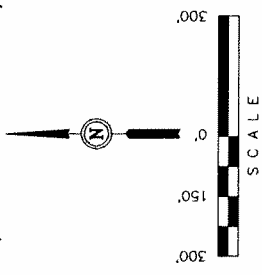
I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS SURFACE USE AREA AND ROAD RIGHT-OF-WAY, BEGINNING AND ENDING AS SHOWN, THAT SAID SURFACE USE AREA AND ROAD RIGHT-OF-WAY ARE ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

APPLICANT

TITLE

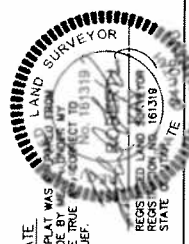
PETROGLYPH OPERATING CO., INC.
PIPELINE RIGHT-OF-WAY
ON UTE TRIBAL LANDS
(For UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G)

LOCATED IN
SECTIONS 28, T5S, R3W,
U.S.B.&M., DUCHESE COUNTY, UTAH



BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
UTE TRIBAL	1552.18	1.069	94.07

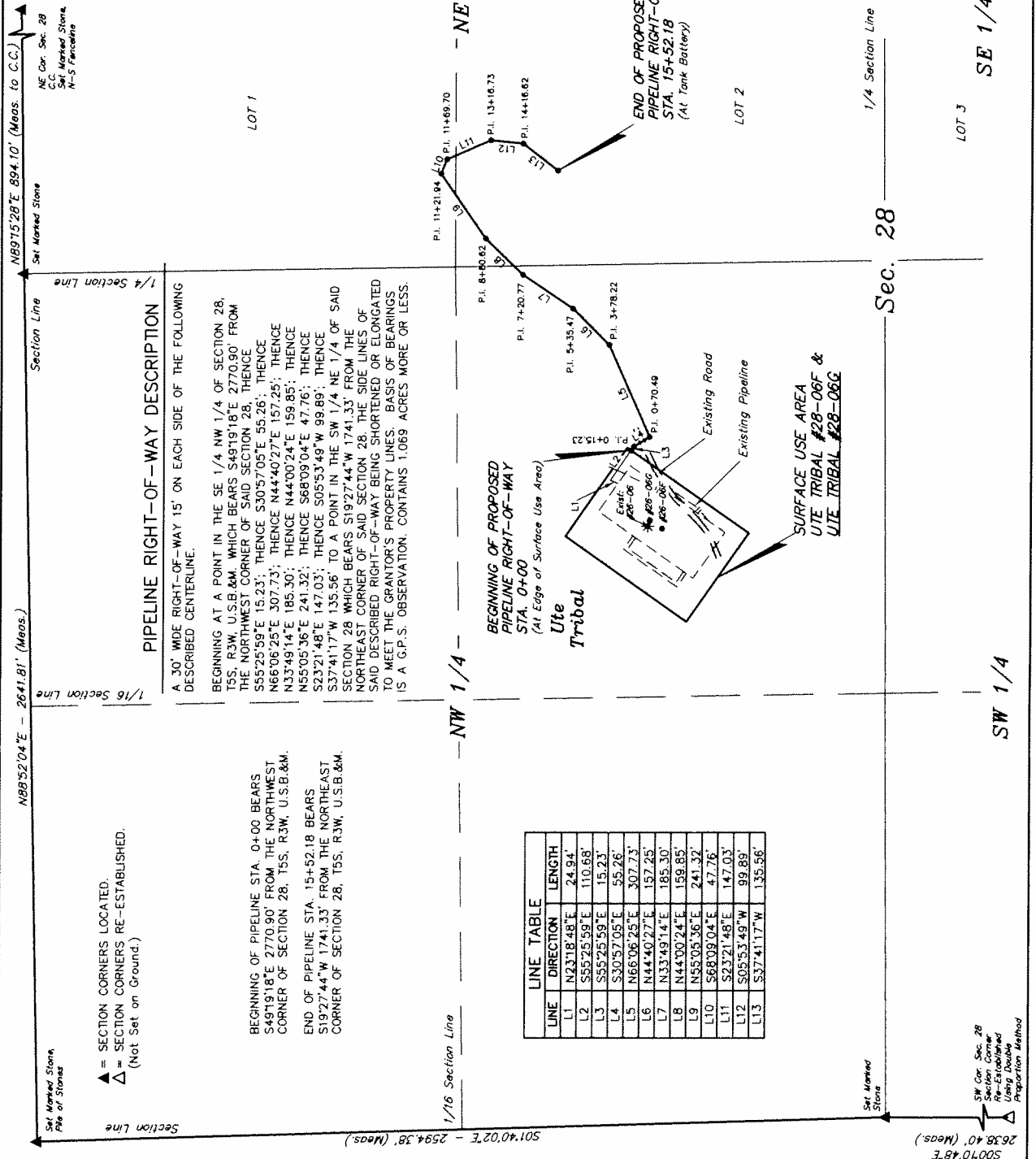


CERTIFICATE
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED BY THE SURVEYOR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REV: 04-09-13 B.D.H.

UTAH ENGINEERING & LAND SURVEYING
86 SOUTH - 200 EAST • (435) 789-1017
VERNAL, UTAH - 84078

SCALE	DATE
1" = 300'	01-09-12
PARTY	REFERENCES
A.F. J.M. N.S.	G.L.O. PLAT
WEATHER	FILE
COLD	51502



PIPELINE RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 28, T5S, R3W, U.S.B.&M. WHICH BEARS S49°19'18"E 2770.90' FROM THE NORTHWEST CORNER OF SAID SECTION 28, THENCE S55°25'59"E 15.23'; THENCE S30°57'05"E 55.26'; THENCE N66°06'25"E 307.73'; THENCE N44°40'27"E 157.25'; THENCE N33°49'14"E 185.30'; THENCE N44°00'24"E 159.85'; THENCE N55°05'36"E 241.32'; THENCE S68°09'04"E 47.76'; THENCE S25°21'48"E 147.03'; THENCE S05°53'49"W 99.89'; THENCE S37°41'17"W 1741.33' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 28 WHICH BEARS S19°27'44"W 1741.33' FROM THE NORTHEAST CORNER OF SAID SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.069 ACRES MORE OR LESS.

LINE	DIRECTION	LENGTH
L1	N23°18'48"E	24.94'
L2	S55°25'59"E	110.68'
L3	S55°25'59"E	15.23'
L4	S30°57'05"E	55.26'
L5	N66°06'25"E	307.73'
L6	N44°40'27"E	157.25'
L7	N33°49'14"E	185.30'
L8	N44°00'24"E	159.85'
L9	N55°05'36"E	241.32'
L10	S68°09'04"E	47.76'
L11	S25°21'48"E	147.03'
L12	S05°53'49"W	99.89'
L13	S37°41'17"W	1741.33'

▲ = SECTION CORNERS LOCATED.
△ = SECTION CORNERS RE-ESTABLISHED.
(Not Set on Ground.)

NW 1/4

Sec. 28

SW 1/4

LOT 3

SE 1/4

LOT 2

END OF PROPOSED
PIPELINE RIGHT-OF-WAY
STA. 15+52.18
(At Tank Battery)

BEGINNING OF PROPOSED
PIPELINE RIGHT-OF-WAY
STA. 0+00
(At Edge of Surface Use Area)

SURFACE USE AREA
UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G

N88°52'04"E - 2641.81' (Meas.)

N80°15'28"E 894.10' (Meas. to C.C.)

Set Marked Stone
File of Stones

Set Marked Stone

SW Cor. Sec. 28
Section Corner
Re-Established
Using Double
Proportion Method

PETROGLYPH OPERATING CO., INC.
UTE TRIBAL #28-06F &
UTE TRIBAL #28-06G
PIPELINE RIGHT-OF-WAY
SECTION 28, T5S, R3W, U.S.B.&M.

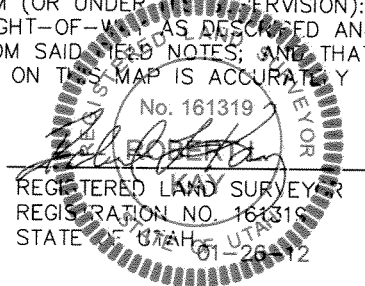
TOTAL PIPELINE RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 1552.18' OR 0.294 MILES. WIDTH OF
RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE).
CONTAINS 1.069 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH)
) SS
COUNTY OF UTAH)

ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR PETROGLYPH OPERATING CO., INC. THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION): THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE PIPELINE RIGHT-OF-WAY AS DESCRIBED AND SHOWN ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; AND THAT SAID RIGHT-OF-WAY, 0.294 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS ____ DAY OF _____ 2012.

MY COMMISSION EXPIRES _____.

NOTARY PUBLIC
VERNAL, UTAH

APPLICANT'S CERTIFICATE

I, ED TROTTER, DO HEREBY CERTIFY THAT I AM THE AGENT FOR PETROGLYPH OPERATING CO., INC., HEREINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS PIPELINE RIGHT-OF-WAY, 0.294 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 15+52.18, THAT SAID PIPELINE RIGHT-OF-WAY IS ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

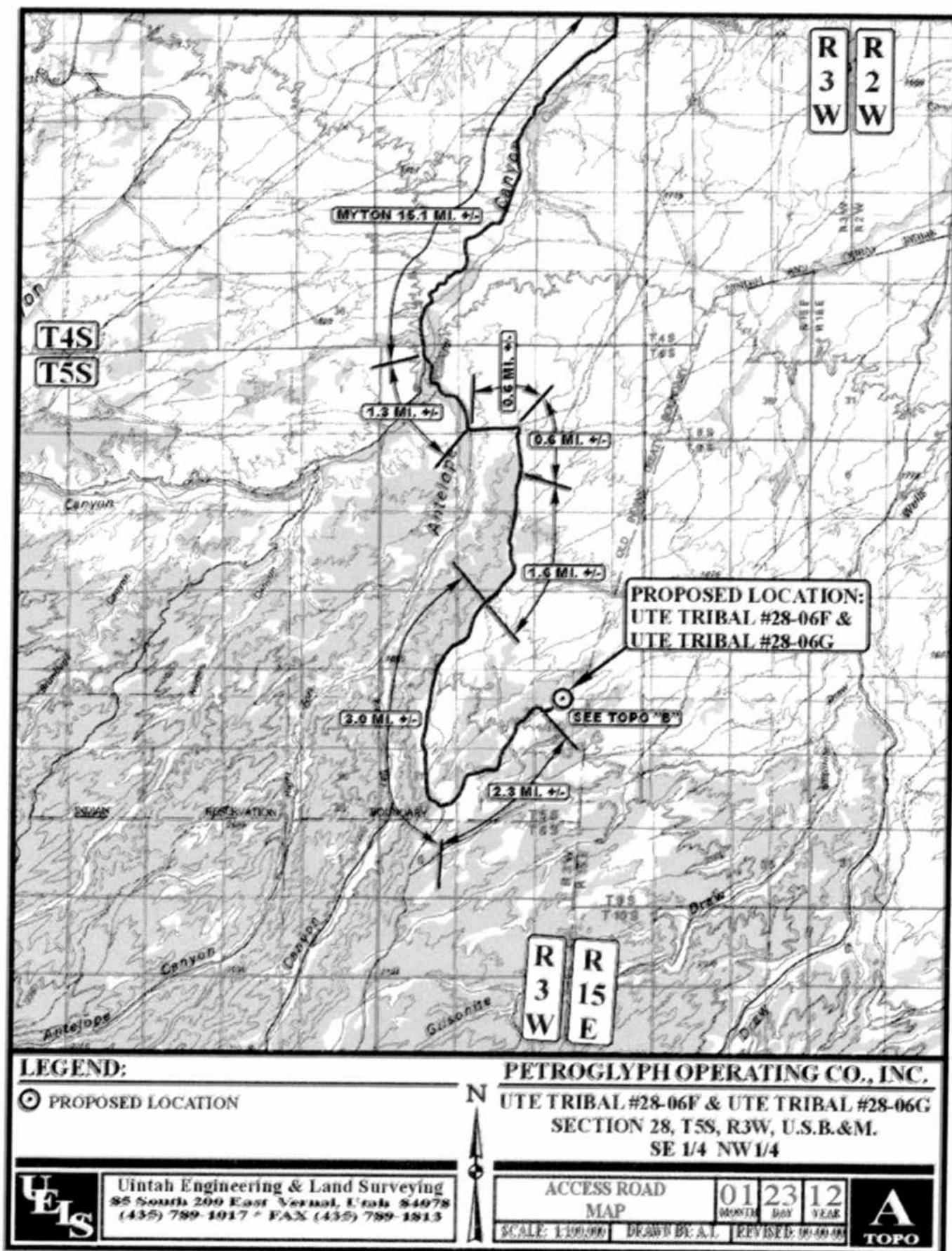
APPLICANT

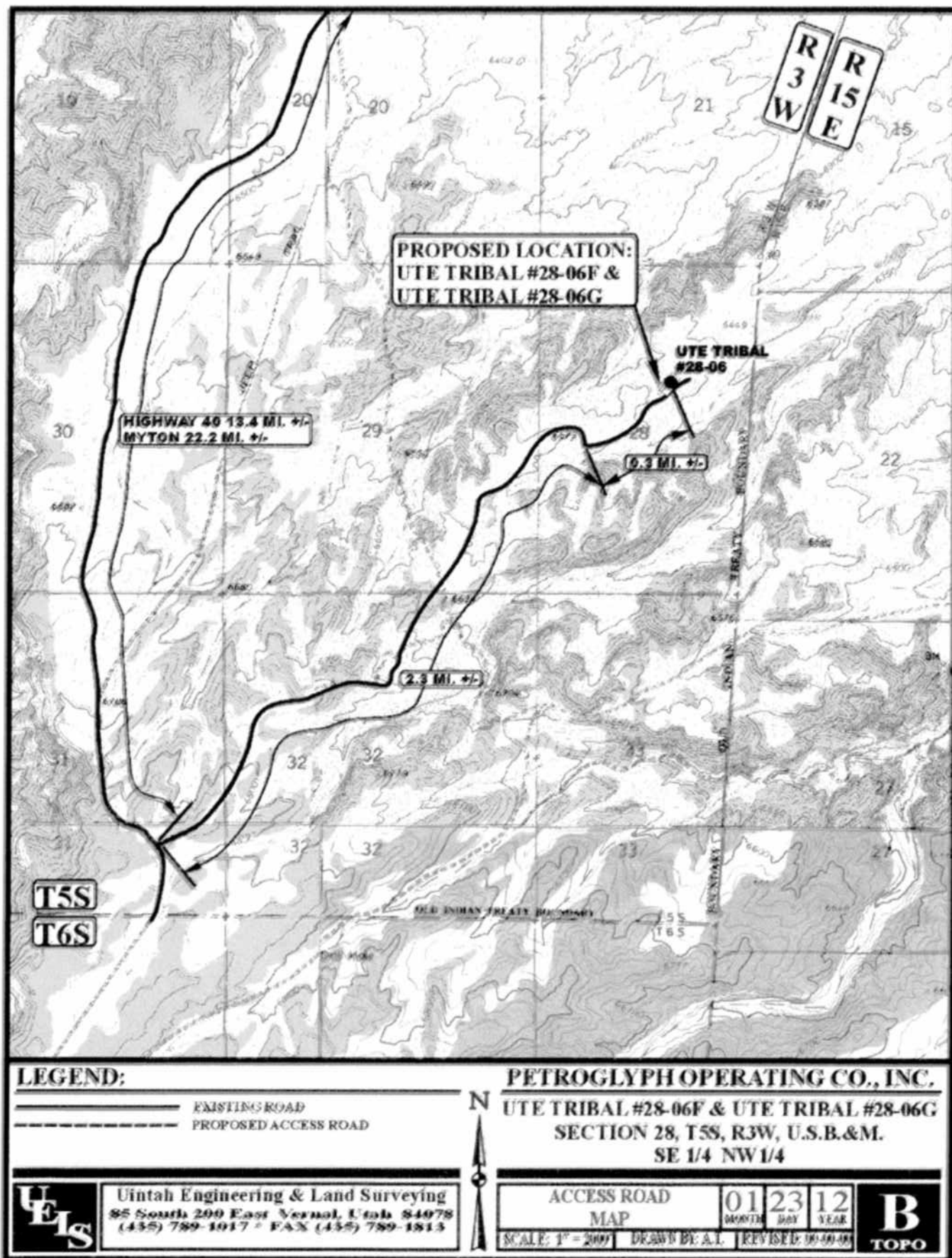
TITLE

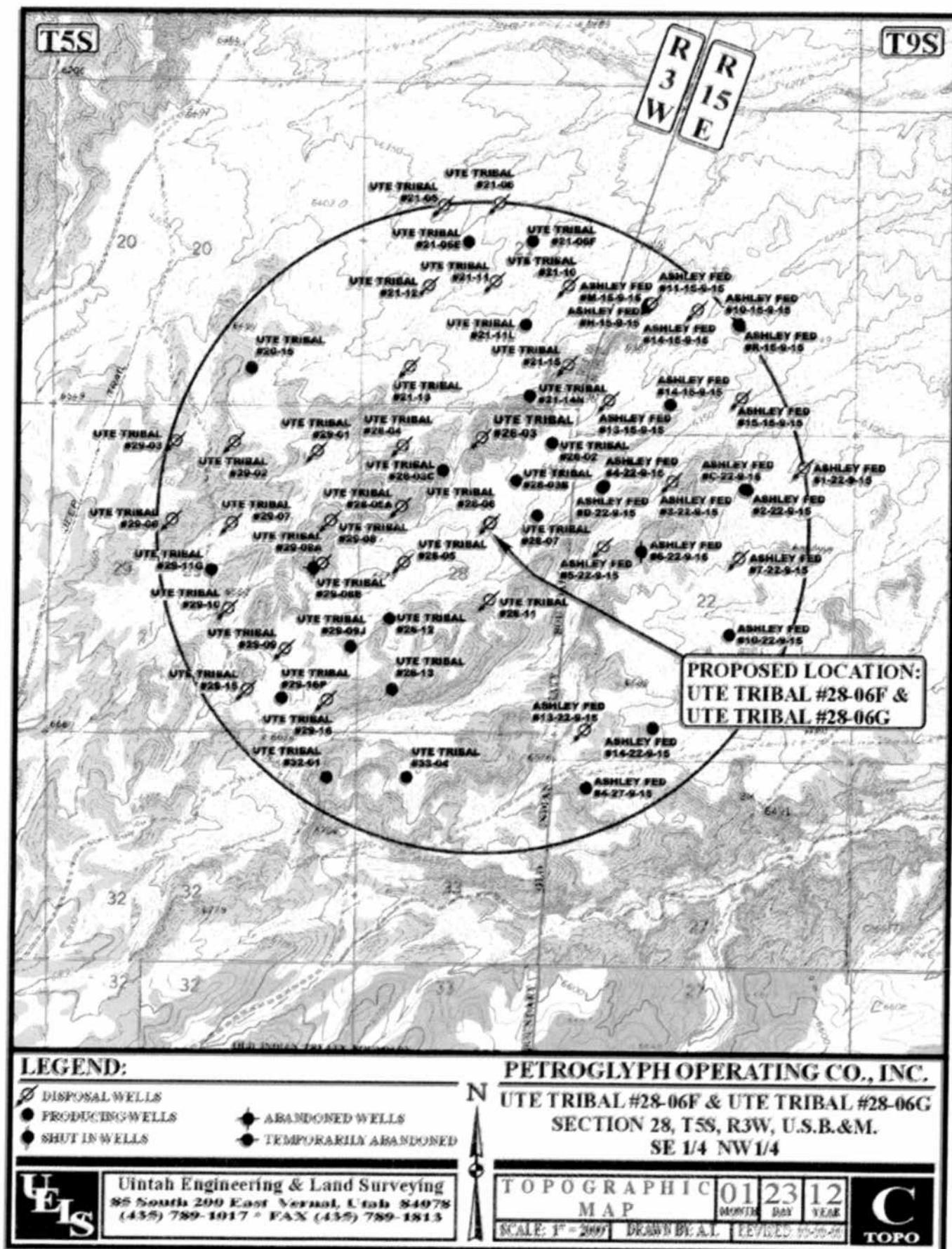
PETROGLYPH OPERATING CO., INC.
UTE TRIBAL #28-06F & UTE TRIBAL #28-06G
SECTION 28, T5S, R3W, U.S.B.&M.

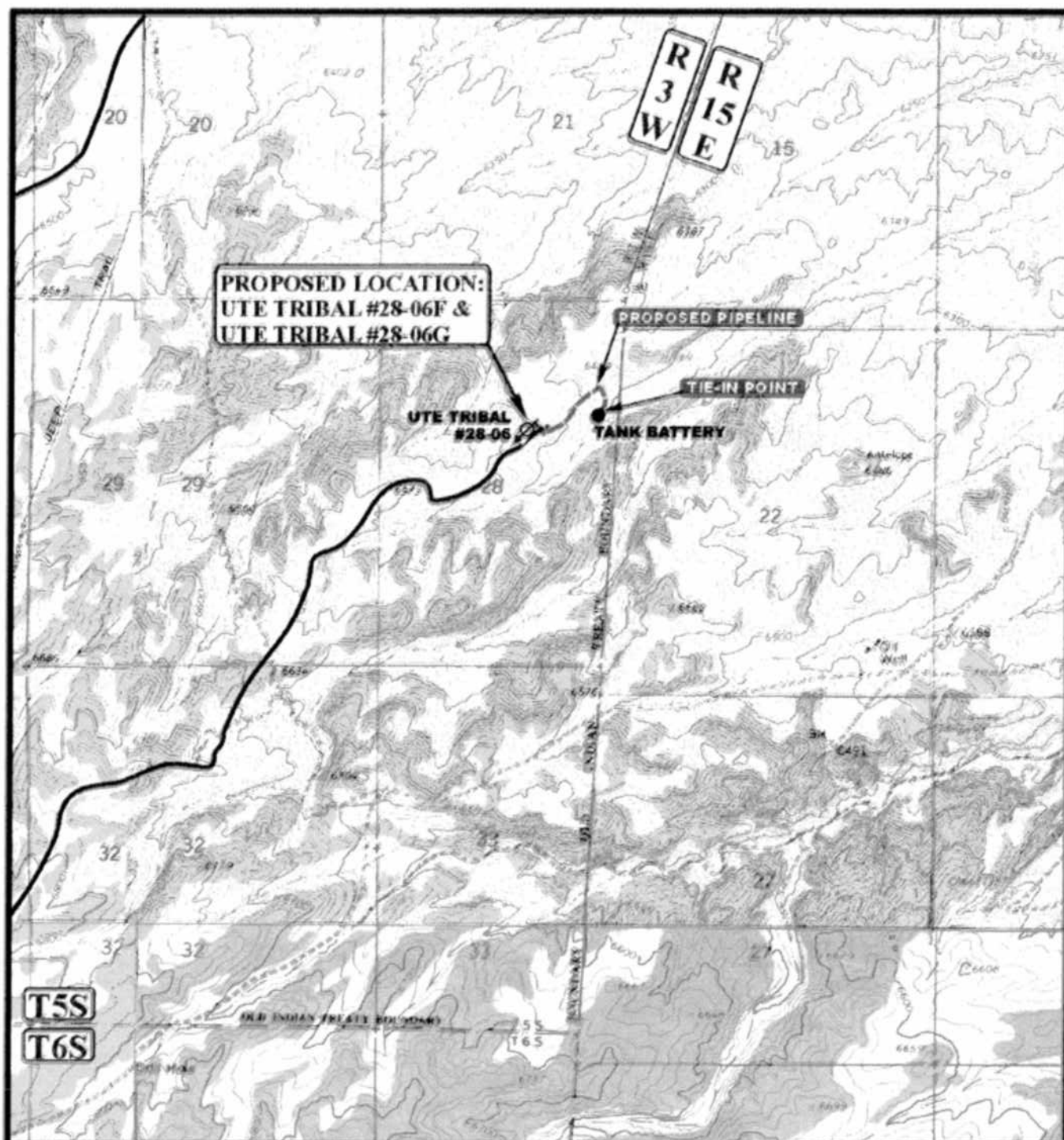
PROCEED IN A SOUTHWESTERLY DIRECTION FROM MYTON, UTAH ALONG HIGHWAY 40 APPROXIMATELY 8.8 MILES TO THE JUNCTION OF THIS ROAD AND ANTELOPE CANYON ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION ALONG THE ANTELOPE CANYON ROAD APPROXIMATELY 6.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE JUNCTION OF THIS ROAD AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE TO NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE BEGINNING OF THE EXISTING ACCESS ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 24.8 MILES.









APPROXIMATE TOTAL PIPELINE DISTANCE = 1,688' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - PROPOSED PIPELINE

PETROGLYPH OPERATING CO., INC.

UTAH TRIBAL #28-06F & UTE TRIBAL #28-06G
SECTION 28, T5S, R3W, U.S.B.&M.
SE 1/4 NW1/4



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 • FAX (435) 789-1813



TOPOGRAPHIC
MAP

01 23 12
MONTH DAY YEAR

SCALE: 1"=200' DRAWN BY: A.L. REVISED: 00/00/00



CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craig's /Air rig
Submitted By Rodrigo Jurado Phone Number 435-722-5302
Well Name/Number Ute Tribal 28-06G
Qtr/Qtr SEnw Section 28 Township 5S Range 3W
Lease Serial Number 14-20-H62-3517
API Number 43-013-51529

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 4/29/2013 05:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED

APR 29 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks We intend to run +/- 500' of 8-5/8" J-55 Surface Casing at the time indicated. (Sent 4/29/2013 @ 7:00 A.M.)

CONFIDENTIAL

Print Form

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Co. Rig Name/# Aztec 673
Submitted By Geno Rowland Phone Number 970-361-3271
Well Name/Number Ute Tribal 28-06G
Qtr/Qtr SE/NW Section 28 Township 5S Range 3W
Lease Serial Number 14-20-H62-3517
API Number 43-013-51529

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 05/26/2013 06:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED

MAY 25 2013

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks Plan to run 5-1/2" Prod. Casing to a shoe depth of 6312' MD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517																														
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In																														
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK																														
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 28-06G																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1901 FNL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		9. API NUMBER: 43013515290000																														
9. FIELD and POOL or WILDCAT: ANTELOPE CREEK		COUNTY: DUCHESNE																														
STATE: UTAH																																
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/25/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input checked="" type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On or around 6/25/2013, depending on equipment availability, Petroglyph Operating intends to perforate and fracture treat the above referenced well. We intend to perforate the following: 4972-74, 4980-82, 4985-87, 5090-98, 5103-05, 5115-16, 5250-59, 5263-67, 5518-24, 5576-78, 5675-82, 5689-94, 5713-15 & 5719-21. We intend to perforate using Titan 3-1/8" perf guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 spf @ 120* phased. We will isolate zones using Halliburton 8K Composite Plugs and frac using Delta 140 15# gelled fluid containing 20/40 mesh sand. Volumes and amounts will be reported at a later date. All plugs will be drilled out and the well cleaned out as needed before being put to production.																																
NAME (PLEASE PRINT) Rodrigo Jurado		PHONE NUMBER 435 722-5302																														
SIGNATURE N/A		TITLE Regulatory & Compliance Spc																														
DATE 6/19/2013																																

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 28-06G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1901 FNL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		9. API NUMBER: 43013515290000
9. FIELD and POOL or WILDCAT: ANTELOPE CREEK		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/9/2013	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	OTHER: <input style="width: 100px;" type="text"/>		
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF			
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The date of first production for this well was 7/9/2013.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 12, 2013

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 7/12/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 28-06G
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		9. API NUMBER: 43013515290000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1901 FNL 1834 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 28 Township: 05.0S Range: 03.0W Meridian: U		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/11/2013				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 05, 2013

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 8/1/2013	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3517
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1901' FNL 1834' FWL		8. WELL NAME and NUMBER: Ute Tribal 28-06G
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 28 5S 3W U		9. API NUMBER: 4301351529
COUNTY: Duchesne		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

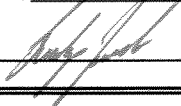
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/11/2013	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/17/2013 Petroglyph Operating ran GR/CBL and found ETOC @ 314', then perforated the following: 5719-21, 5713-15, 5689-91, 5675-82, 5576-78, 5518-24, 5263-67, 5250-59, 5115-16, 5103-05, 5090-98, 4985-87, 4980-82 & 4972-74. We isolated and fracture treated the following intervals:

5,675'-5,721': 568 Bbls of fluid containing 35,488#'s of sand,
5,518'-5,578': 408 Bbls of fluid containing 20,300#'s of sand,
5,250'-5,267': 507 Bbls of fluid containing 35,400#'s of sand,
4,972'-5,116': 501 Bbls of fluid containing 40,100#'s of sand.

Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Delta 140 18# gelled fluid, sand used was 20/40 Mesh Premium White Sand and guns used were Titan 3-1/8", containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120* Phased. All plugs were drilled out and cleaned out to PBTD, 6,231'. The well was swabbed until a good oil cut was seen, then ran a pump on 7/11/2013 and put to pump.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE 	DATE <u>8/1/2013</u>

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:
1420H6235176. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Indian Tribe7. UNIT or CA AGREEMENT NAME
1420H6246508. WELL NAME and NUMBER:
Ute Tribal 28-06G9. API NUMBER:
430135152910. FIELD AND POOL, OR WILDCAT
Antelope Creek11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SE NW 28 5S 3W U12. COUNTY
Duchesne13. STATE
UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐2. NAME OF OPERATOR:
Petroglyph Operating Company, Inc.3. ADDRESS OF OPERATOR:
P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066PHONE NUMBER:
(435) 722-2531

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 1901' FNL, 1834' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: 2660' FNL, 2718' FWL NWSE Sec 28

AT TOTAL DEPTH: 2728' FNL, 2779' FWL NWSE Sec 28

14. DATE SPUDDED:
4/19/201315. DATE T.D. REACHED:
5/26/201316. DATE COMPLETED:
7/11/2013ABANDONED ☐ READY TO PRODUCE ☒17. ELEVATIONS (DF, RKB, RT, GL):
6503' RKB18. TOTAL DEPTH: MD 6,322
TVD 6,13319. PLUG BACK T.D.: MD 5,951
TVD 5,762

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

SDDSN, ACTR, Borehole Volume Plot, Cement Bond Log

23.

WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)WAS DST RUN? NO ☒ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 J-55	75	0	74				0	Conductor
12.25	8.625 J-55	24	0	523		G 335	69	0	
7.875	5.5 J-55	15.5	0	6,312		G 1,028	313	314'	CBL

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,742							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	4,972	5,721	4,789	5,532	4,972 5,721	0.42	204	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,972'-5,721'	1,984 Bbls of Delta 140 18# gelled fluid containing 131,288#'s of 20/40 Mesh Sand.

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☒ OTHER: UDOGM Form 7

30. WELL STATUS:

POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 7/9/2013		TEST DATE: 8/2/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 95	GAS – MCF: 78	WATER – BBL: 35	PROD. METHOD: Rod Pump
CHOKE SIZE: 28/64	TBG. PRESS. 90	CSG. PRESS. 360	API GRAVITY 41.50	BTU – GAS 1	GAS/OIL RATIO 821	24 HR PRODUCTION RATES: →	OIL – BBL: 95	GAS – MCF: 78	WATER – BBL: 35	INTERVAL STATUS: Open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Trona	2,852
				Mahogany	3,000
				Garden Gulch	3,744
				B Marker	4,157
				X Marker	4,652
				Y Marker	4,690
				Douglas Creek	4,799
				B Lime	5,169
				Castle Peak	5,731
				Basal Carbonate	6,158

35. ADDITIONAL REMARKS (Include plugging procedure)

All Frac and Perf info is condensed. Please see NOI and Subsequent Frac Sundry for a detailed record.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 8/16/13

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Ute Tribal 28-06GAPI number: 4301351529Well Location: QQ SEW Section 28 Township 5S Range 3W County DuchesneWell operator: Petroglyph Operating Company, Inc.Address: P.O. Box 607city Roosevelt state UT zip 84066Phone: (435) 722-2531Drilling contractor: ProPetro ServicesAddress: 1422 East 1500 Southcity Vernal state UT zip 84078Phone: (435) 789-1735

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	515	0	No Water Encountered

Formation tops:
(Top to Bottom)

1	2	3
4	5	6
7	8	9
10	11	12

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 5/3/2013



Job Number: UT131010
 Company: Petroglyph
 Lease/Well: Ute Tribal 28-06G
 Location: Section 28 T5S,R3W
 Rig Name: Aztec 673
 RKB: 6504'
 G.L. or M.S.L.: GL_6489'

State/Country: Utah/USA
 Declination: 11.13
 Grid: True
 File name: C:\DOCUME~1\PAYZONE\DESKTOP\UTETRI-2\UT131010.SVY
 Date/Time: 26-May-13 / 10:21
 Curve Name: Ute Tribal_28-06G_Actual

Payzone Directional Services LLC

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 130.80
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
526.00	1.00	191.96	525.97	-4.49	-.95	2.21	4.59	191.96	.19
587.00	.62	198.29	586.97	-5.32	-1.17	2.60	5.45	192.34	.64
647.00	1.50	130.80	646.96	-6.15	-.67	3.51	6.18	186.24	2.31
707.00	3.00	119.05	706.91	-7.42	1.29	5.83	7.53	170.10	2.60
768.00	4.04	117.04	767.79	-9.17	4.60	9.48	10.26	153.35	1.72
829.00	5.00	125.48	828.60	-11.69	8.68	14.21	14.56	143.40	1.91
890.00	5.76	133.56	889.34	-15.35	13.07	19.92	20.15	139.59	1.76
950.00	6.24	128.02	949.01	-19.43	17.82	26.18	26.36	137.48	1.25
1012.00	7.21	124.95	1010.58	-23.73	23.66	33.42	33.51	135.09	1.67

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
1074.00	7.51	122.84	1072.07	-28.16	30.25	41.30	41.33	132.95	.65
1136.00	7.03	127.50	1133.57	-32.67	36.67	49.10	49.11	131.70	1.23
1198.00	7.82	129.47	1195.05	-37.66	42.93	57.11	57.11	131.25	1.34
1260.00	7.91	134.79	1256.47	-43.34	49.22	65.58	65.58	131.37	1.18
1322.00	7.91	134.00	1317.88	-49.31	55.31	74.09	74.10	131.72	.18
1384.00	8.22	136.29	1379.27	-55.48	61.45	82.77	82.79	132.08	.72
1446.00	8.66	134.70	1440.59	-61.97	67.83	91.84	91.87	132.42	.80
1509.00	9.36	132.16	1502.82	-68.74	75.00	101.69	101.73	132.51	1.28
1571.00	9.84	130.00	1563.95	-75.53	82.79	112.03	112.07	132.37	.97
1633.00	10.63	128.73	1624.96	-82.52	91.31	123.04	123.07	132.10	1.33
1695.00	11.07	124.29	1685.85	-89.45	100.69	134.67	134.68	131.62	1.52
1757.00	11.36	124.00	1746.67	-96.21	110.67	146.64	146.65	131.00	.48
1819.00	12.20	122.36	1807.36	-103.14	121.27	159.19	159.19	130.38	1.46
1881.00	12.70	121.26	1867.91	-110.18	132.63	172.39	172.42	129.72	.89
1943.00	12.90	125.00	1928.37	-117.69	144.12	186.00	186.07	129.23	1.37
2005.00	14.06	127.15	1988.66	-126.20	155.79	200.40	200.50	129.01	2.04
2067.00	14.68	126.90	2048.72	-135.47	168.08	215.75	215.87	128.87	1.00
2129.00	15.90	127.59	2108.52	-145.37	181.09	232.07	232.22	128.75	1.99
2191.00	17.27	129.70	2167.94	-156.43	194.90	249.75	249.91	128.75	2.41
2253.00	19.05	130.20	2226.85	-168.84	209.71	269.07	269.23	128.84	2.88
2315.00	19.51	133.43	2285.38	-182.49	224.96	289.53	289.67	129.05	1.87
2377.00	20.04	133.74	2343.72	-196.95	240.15	310.48	310.58	129.35	.87
2439.00	20.40	134.75	2401.90	-211.90	255.50	331.87	331.94	129.67	.81
2502.00	20.90	132.02	2460.85	-227.15	271.65	354.06	354.11	129.90	1.72
2563.00	21.20	130.35	2517.78	-241.58	288.14	375.97	376.01	129.98	1.10
2625.00	21.70	129.43	2575.49	-256.11	305.53	398.64	398.68	129.97	.97
2687.00	22.02	129.78	2633.03	-270.83	323.32	421.72	421.77	129.95	.56
2749.00	22.70	128.64	2690.37	-285.74	341.60	445.29	445.35	129.91	1.30
2811.00	22.73	129.74	2747.56	-300.87	360.15	469.23	469.29	129.87	.69
2873.00	22.41	131.10	2804.81	-316.29	378.27	493.02	493.08	129.90	.99
2936.00	21.40	129.30	2863.26	-331.47	396.21	516.52	516.58	129.92	1.93
2998.00	21.10	129.60	2921.05	-345.75	413.56	538.98	539.05	129.90	.51
3060.00	21.90	131.90	2978.73	-360.58	430.77	561.70	561.77	129.93	1.87
3122.00	21.70	131.80	3036.30	-375.94	447.92	584.72	584.78	130.01	.33

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
3184.00	21.20	130.72	3094.01	-390.90	464.96	607.39	607.45	130.05	1.03
3246.00	22.40	131.50	3151.57	-406.04	482.31	630.42	630.47	130.09	1.99
3308.00	22.28	130.90	3208.92	-421.56	500.04	653.98	654.03	130.13	.42
3370.00	22.15	128.77	3266.32	-436.58	518.04	677.42	677.46	130.12	1.32
3432.00	21.75	130.05	3323.82	-451.29	535.94	700.58	700.64	130.10	1.01
3494.00	22.94	131.36	3381.17	-466.66	553.80	724.15	724.21	130.12	2.08
3556.00	22.87	131.63	3438.28	-482.65	571.88	748.28	748.33	130.16	.20
3619.00	22.63	131.10	3496.38	-498.75	590.16	772.64	772.69	130.20	.50
3680.00	22.50	134.84	3552.71	-514.70	607.28	796.02	796.06	130.28	2.36
3742.00	22.19	134.05	3610.05	-531.20	624.11	819.55	819.57	130.40	.70
3804.00	21.40	133.83	3667.62	-547.18	640.69	842.53	842.54	130.50	1.28
3866.00	20.83	133.30	3725.46	-562.57	656.87	864.84	864.85	130.58	.97
3928.00	20.04	133.25	3783.56	-577.41	672.63	886.47	886.47	130.64	1.27
3990.00	19.69	133.47	3841.87	-591.87	687.95	907.51	907.52	130.71	.58
4052.00	19.47	131.76	3900.28	-605.94	703.23	928.28	928.28	130.75	.99
4115.00	18.63	131.54	3959.83	-619.61	718.60	948.84	948.84	130.77	1.34
4177.00	18.59	131.28	4018.59	-632.69	733.44	968.62	968.62	130.78	.15
4239.00	18.06	131.19	4077.44	-645.54	748.10	988.12	988.12	130.79	.86
4301.00	17.00	132.55	4136.57	-658.00	762.01	1006.79	1006.79	130.81	1.83
4363.00	16.04	131.10	4196.01	-669.76	775.14	1024.41	1024.41	130.83	1.69
4425.00	15.60	128.16	4255.66	-680.54	788.15	1041.31	1041.31	130.81	1.47
4487.00	15.33	128.70	4315.41	-690.82	801.10	1057.82	1057.82	130.77	.49
4549.00	14.15	127.98	4375.37	-700.61	813.47	1073.58	1073.58	130.74	1.93
4611.00	13.84	126.79	4435.53	-709.71	825.38	1088.55	1088.55	130.69	.68
4674.00	13.27	128.16	4496.78	-718.69	837.10	1103.29	1103.29	130.65	1.04
4735.00	12.39	126.66	4556.25	-726.93	847.86	1116.81	1116.82	130.61	1.54
4797.00	11.77	130.25	4616.88	-734.98	858.02	1129.77	1129.78	130.58	1.57
4860.00	11.12	133.03	4678.63	-743.28	867.36	1142.26	1142.27	130.59	1.35
4922.00	10.50	135.14	4739.53	-751.36	875.72	1153.87	1153.88	130.63	1.19
4984.00	10.02	133.96	4800.54	-759.11	883.59	1164.89	1164.89	130.67	.85
5045.00	9.32	136.33	4860.67	-766.37	890.82	1175.11	1175.11	130.71	1.32
5107.00	8.75	138.20	4921.90	-773.52	897.43	1184.78	1184.78	130.76	1.03
5170.00	8.10	136.30	4984.22	-780.30	903.69	1193.95	1193.95	130.81	1.12
5232.00	7.78	129.12	5045.63	-786.10	909.96	1202.49	1202.49	130.82	1.68

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
5294.00	7.82	126.31	5107.05	-791.25	916.62	1210.89	1210.89	130.80	.62
5356.00	7.08	130.40	5168.53	-796.22	922.92	1218.92	1218.92	130.78	1.47
5418.00	5.93	135.45	5230.13	-800.98	928.08	1225.93	1225.93	130.80	2.07
5480.00	5.10	136.02	5291.84	-805.25	932.24	1231.87	1231.87	130.82	1.34
5542.00	4.48	136.99	5353.63	-809.00	935.81	1237.02	1237.02	130.84	1.01
5604.00	3.12	138.62	5415.49	-812.04	938.57	1241.10	1241.10	130.87	2.20
5666.00	2.33	149.43	5477.42	-814.39	940.33	1243.96	1243.97	130.89	1.51
5728.00	1.89	143.54	5539.38	-816.30	941.58	1246.16	1246.16	130.92	.79
5790.00	1.98	154.70	5601.34	-818.09	942.64	1248.13	1248.14	130.95	.62
5852.00	2.59	169.64	5663.29	-820.43	943.35	1250.20	1250.21	131.01	1.37
5914.00	2.07	169.46	5725.24	-822.91	943.81	1252.17	1252.18	131.09	.84
5976.00	1.58	162.87	5787.21	-824.83	944.27	1253.77	1253.79	131.14	.86
6038.00	1.07	133.90	5849.19	-826.05	944.94	1255.07	1255.09	131.16	1.33
6100.00	.79	131.63	5911.18	-826.73	945.67	1256.07	1256.10	131.16	.46
6162.00	.22	261.71	5973.18	-827.03	945.87	1256.42	1256.45	131.17	1.53
6224.00	.35	233.58	6035.18	-827.16	945.60	1256.30	1256.33	131.18	.30
6267.00	.57	267.20	6078.18	-827.25	945.29	1256.12	1256.15	131.19	.79
Project to Bit									
6322.00	.57	267.20	6133.18	-827.28	944.74	1255.72	1255.76	131.21	.00

Job Number: UT131010
 Company: Petroglyph
 Lease/Well: Ute Tribal 28-06G
 Location: Section 28 T5S, R3W
 Rig Name: Aztec 673
 State/Country: Utah/USA

Declination: 11.13
 Grid: True

